

May 17, 2000

United States Department of Interior Bureau of Land Management - Vernal District Office Attention: Margie Herrmann 170 South 500 East Vernal, Utah 84078-2799

RE: Jonah 1-11-9-16

NENE Section 11, T9S, R16E

Jonah 2-11-9-16

NWNE Section 11, T9S, R16E

Jonah 3-11-9-16

NENW Section 11, T9S, R16E

Duchesne County, Utah

### Dear Ms. Herrmann:

Enclosed please find the three Applications for Permits to Drill the Jonah Unit wells listed above, submitted in triplicate, for your review and approval. The Archeological Surveys and Paleontological Surveys for these wells are also enclosed.

If you have any questions or require any additional information, please contact me or Jon Holst at (303) 893-0102.

Sincerely,

Joyce McGough Regulatory Technician

Enclosures: Form 3160-3 and attachments (3 copies)

cc: State of Utah

Division of Oil, Gas & Mining

ATTN: Lisha Cordova

1594 West North Temple – Suite 1210

Post Office Box 145801

Salt Lake City, Utah 84114-5801



MAY 2 2 2000

DIVISION OF OIL, GAS AND MINING

FORM 3160-3 (December 1990)	JNITED STATE				TIN TRIPLICATION OF INSTRUCTIONS OF	_	Form approved.  Budget Bureau No. Expires December 2	
DEPART	MENT OF THE U OF LAND MAN	INT				. = .	5. LEASE DESIGNATION UTU-0965	550
APPLICATION FO	R PERMIT TO I	ORIL	L, DEEPEN, C	R P	LUG BA	СК	6. IF INDIAN, ALOTTE	E OR TRIBE NAME
1a. TYPE OF WORK 1b. TYPE OF WELL	L X DEEP	EN					7. UNIT AGREEMENT Jonah	
OIL GAS WELL X WELL	OTHER			MULTI ZONE	PLE			ME Federal
2. NAME OF OPERATOR Inland Production Co	mpany						9. WELL NO. #1-11	
3. ADDRESS OF OPERATOR 410 - 17th Street, Suit	e 700. Denver. CO	802	202 Phon	e: (3	03) 893-01	02	10. FIELD AND POOL (	ment Butte
4. LOCATION OF WELL (Report le At Surface NENE, 660' F At proposed Prod. Zone	ocation clearly and in accordar NL and 660' FEL	ice with	any State requirements.*) 44	335 185	82 N 79 E		11. SEC., T., R., M., OR AND SURVEY OR AF NENE Sec. 1	
14. DISTANCE IN MILES AND DIRECT	· · · · · · · · · · · · · · · · · · ·				-		12. County	13. STATE
	.0 miles southwest o				17 NO OF 100		Duchesne	Utah
<ol> <li>DISTANCE FROM PROPOSED* LO OR LEASE LINE, FT. (Also to nearest</li> </ol>		KI Y	16, NO. OF ACRES IN LEASE		17. NO. OF ACK	ES ASSIGNE	D TO THIS WELL	
Approximately 66			840			40		
18. DISTANCE FROM PROPOSED LOC DRILLING, COMPLETED, OR APPI			19. PROPOSED DEPTH		20. ROTARY OR	CABLE TO	OLS	
Approximately 14	15'		6500'		Rot	ary		
21. ELEVATIONS (Show whether DF, R. 5523' GR	r, GR, etc.)					22. APPR	OX DATE WORK WILL Third quarter	
23. PROPOSED CASING	AND CEMENTING PR	ROGR	AM					
SIZE OF HOLE	SIZE OF CASING W	ÆIGHT/F	оот	SETTING	DEPTH	QUANTI	TY OF CEMENT	
Refer to Monument B	utte Field SOP's D	rillir	ng Program/Casir	ng De	sign			
Inland Production	on Company prop	oses	to drill this well	in ac	cordance	with th	e attached exh	nibits.

The Conditions of Approval are also attached.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposa	l is to deep	en or plug back, give data on present productive zone an	d proposed new productive zone.
If proposal is to drill or deepen directionally, give pertinent data on subs	urface loca	ations and measured and true vertical depths. Give blowd	out preventer program, if any.
24. SIGNED //m//left	TITLE	Counsel DATE	5/06/00
/Jon Holst			
(This space for Federal or State office use)			
PERMIT NO. 43-013-32/57	APPRO	DVAL DATE	
Application approval does not warrant or certify that the applicant holds legal o	r equitable ti	tle to those rights in the subject lease which would entitle the appli	icant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:			
APPROVED BY	TITLE	BRADLEY G. HILL DATE DATE DECLAMATION SPECIALIST III	60/6/00
	•	ECLAMATION SPECIALIST III	, ,
Padoral Approval of this			
Action is Nacessay			Land Daniel Brown Barrell

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United SMA kny 2 2000 false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DIVISION OF L, GAS AND MINITIS

## T9S, R16E, S.L.B.&M.

S89\*56'W - 79.80 (G.L.O.)

### 2625.71' (Measured) S89'56'W (G.L.O.) Basis of Bearings N89'27'09"W - 2641.52' (Meas.) Brass Cap 1910 Brass Cap 1910 Brass Cap 1910 60.0 ີ660.0' (COMP.) WINDOW WELL LOCATION: JONAH UNIT #1-11 ELEV. UNGRADED GROUND = 5523.0' NO'01'W (G.L.O.) NO.01'W (G.L.O.) NOTE: The Well Location Bears S4515'12"W - 928.8' from the Northeast Corner of Section 11.

\$89.59'W - 79.78 (G.L.O.)

= SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

### INLAND PRODUCTION COMPANY

WELL LOCATION, JONAH UNIT #1-11, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 11, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTE OF ACTOR SURVEYS MADE BY ME OR UNDER A SURJANDON OF THAT THE SAME ARE TRUE A DOORREGO TO THE TEST OF MY KNOWLEDGE AND LELSE

REGISTER OF UTAH

### TRI STATE LAND SURVEY INC. & CONSULTING 38 WEST 100 NORTH - VERNAL, UTAH 84078

38 WEST 100 NORTH - VERNAL, UTAH 84078 (435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: C.D.S.
DATE: 4/18/00	WEATHER: FAIR
NOTES:	FILE #

# United States Department of the Interior

### BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

June 6, 2000

#### Memorandum

To:

Assistant District Manager Minerals, Vernal District

From:

Michael Coulthard, Petroleum Engineer

Subject:

2000 Plan of Development Jonah Unit Duchesne

County, Utah.

Pursuant to email between Lisha Cordova, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following wells are planned for calendar year within the Jonah Unit, Duchesne County, Utah.

API # WELL NAME

LOCATION

This is office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Jonah

Division of Oil Gas and Mining

Agr. Sec. Chron Fluid Chron

MCoulthard:mc:6-6-0

### INLAND PRODUCTION COMPANY JONAH FEDERAL #1-11 NE NE SECTION 11, T9S, R16E DUCHESNE COUNTY, UTAH

### **ONSHORE ORDER NO. 1**

#### **DRILLING PROGRAM**

### 1. **GEOLOGIC SURFACE FORMATION:**

Uinta Formation of Upper Eocene Age

### 2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta 0 – 1500' Green River 1500' Wasatch 6500'

### 3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 1500' - 6500' - Oil

### 4. PROPOSED CASING PROGRAM:

Please refer to the Monument Butte Field SOP.

### 5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "F".

### 6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

### 7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

### 8. TESTING, LOGGING AND CORING PROGRAMS:

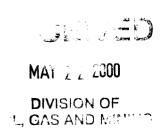
Please refer to the Monument Butte Field SOP.

### 9. <u>ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE</u>:

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered.

### 10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.



### INLAND PRODUCTION COMPANY JONAH FEDERAL #1-11 NE NE SECTION 11, T9S, R16E DUCHESNE COUNTY, UTAH

#### **ONSHORE ORDER NO. 1**

### MULTI-POINT SURFACE USE & OPERATIONS PLAN

### 1. EXISTING ROADS

See attached Topographic Map "A"

To reach Inland Production Company well location site (Jonah Federal #1-11) located in NE NE, Section 11, T9S, R16E, Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 approximately 1.5 miles to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 approximately 1.7 miles to its junction with Highway 216; proceed southeasterly along Highway 216 approximately 9.3 miles, to its junction with an existing dirt road. Continue westerly on this road for approximately 4.9 miles; turn easterly for approximately 1.1 miles; then proceed northerly for approximately 0.2 miles to the beginning of the proposed access road. Follow the access road northeasterly for 1800' to the well location.

### 2. PLANNED ACCESS ROAD

See Topographic Map "B" for the location of the proposed access road.

### 3. LOCATION OF EXISTING WELLS

Refer to Exhibit "D"

### 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

### 5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the Monument Butte Field SOP. See Exhibit "C".

### 6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

### 7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP. See Exhibit "E".

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L, GAS AND MINITO

Onshore Order No. 1 Multi-Point Surface Use & Operations Plan Jonah Federal #1-11 Page 3 of 4

### 8. <u>ANCILLARY FACILITIES:</u>

Please refer to the Monument Butte Field SOP.

### 9. **WELL SITE LAYOUT:**

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, pipe racks, trailer parking, spoil dirt stockpile(s) and surface material stockpile(s). Refer to Exhibits "E" and "E-1".

### 10. PLANS FOR RESTORATION OF SURFACE:

Please refer to the Monument Butte Field SOP.

### 11. SURFACE OWNERSHIP: Bureau of Land Management

### 12. OTHER ADDITIONAL INFORMATION:

The Archaeological Cultural Resource Survey is attached.

Inland Production Company requests a 60' ROW for the Jonah Federal #1-11 to allow for construction of a 6" poly gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. Refer to Topographic Map "C".

Inland Production Company also requests a 60' ROW be granted for the Jonah Federal #1-11 to allow for construction of a 3" steel water injection line and a 3" poly water return line. Refer to Topographic Map "C".

### 13. <u>LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:</u>

#### Representative

Name:

Jon Holst

Address:

410 Seventeenth Street

Suite 700

Denver, CO 80202

Telephone:

(303) 893-0102

### Certification

Please be advised that INLAND RESOURCES, INC. is considered to be the operator of the well Jonah Federal #1-11, NE NE, Section 11, T9S, R16E, Lease #UTU-096550, Duchesne County, Utah; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

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DIVISION OF L, GAS AND MENTING I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

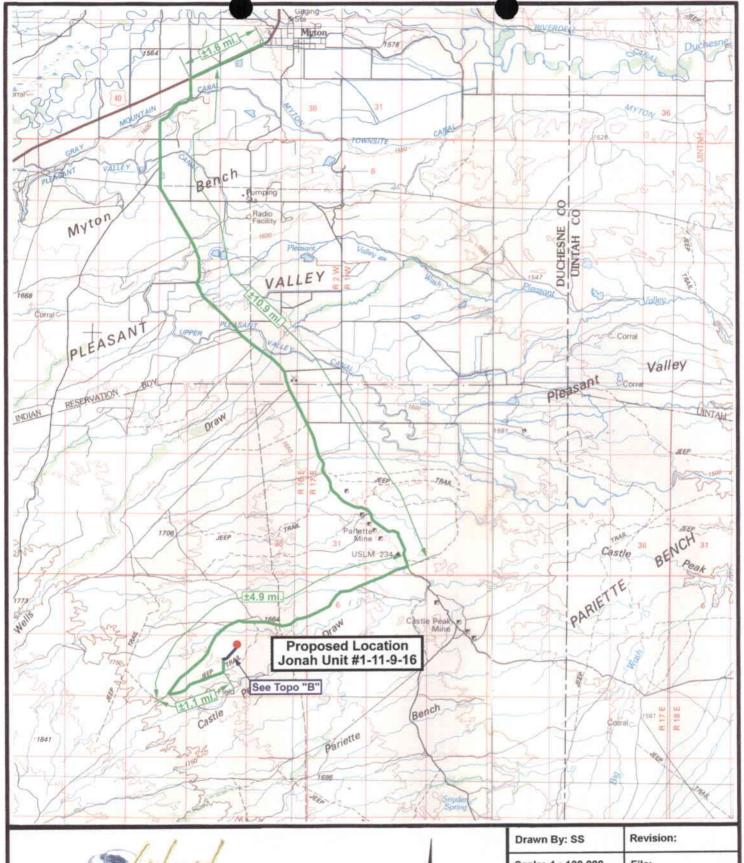
5/08/20 Date/

Jon Holst

Counsel

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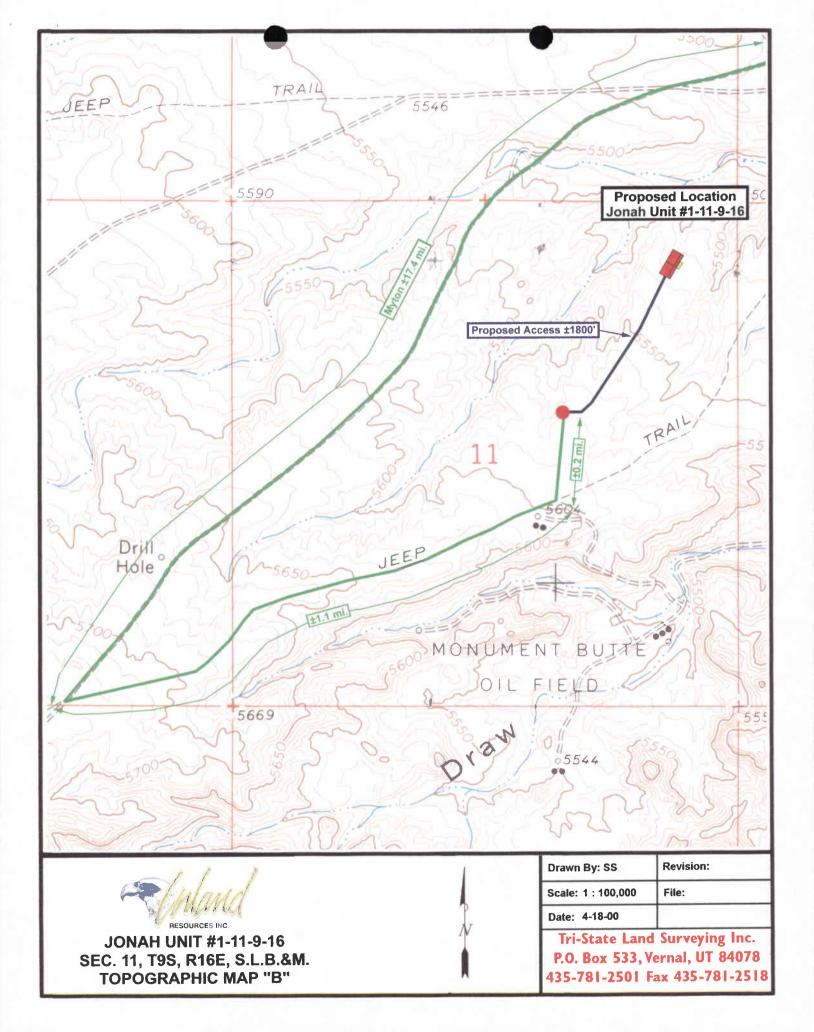


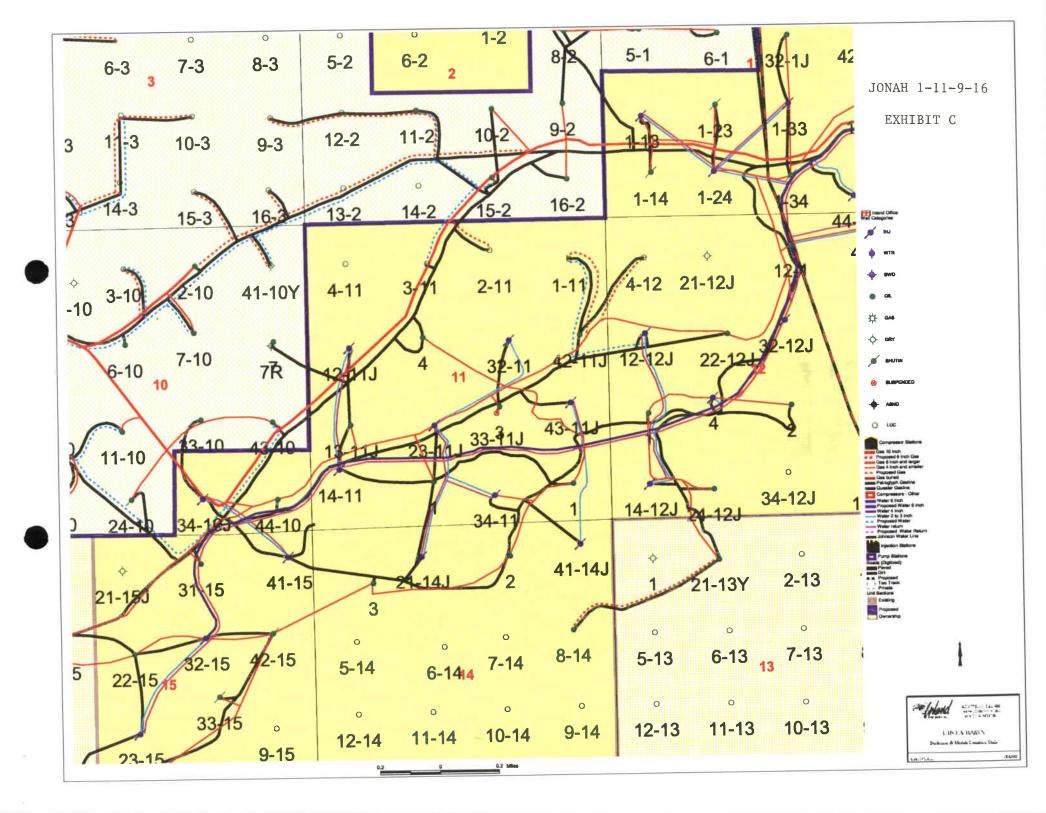
JONAH UNIT #1-11-9-16 SEC. 11, T9S, R16E, S.L.B.&M. TOPOGRAPHIC MAP "A"

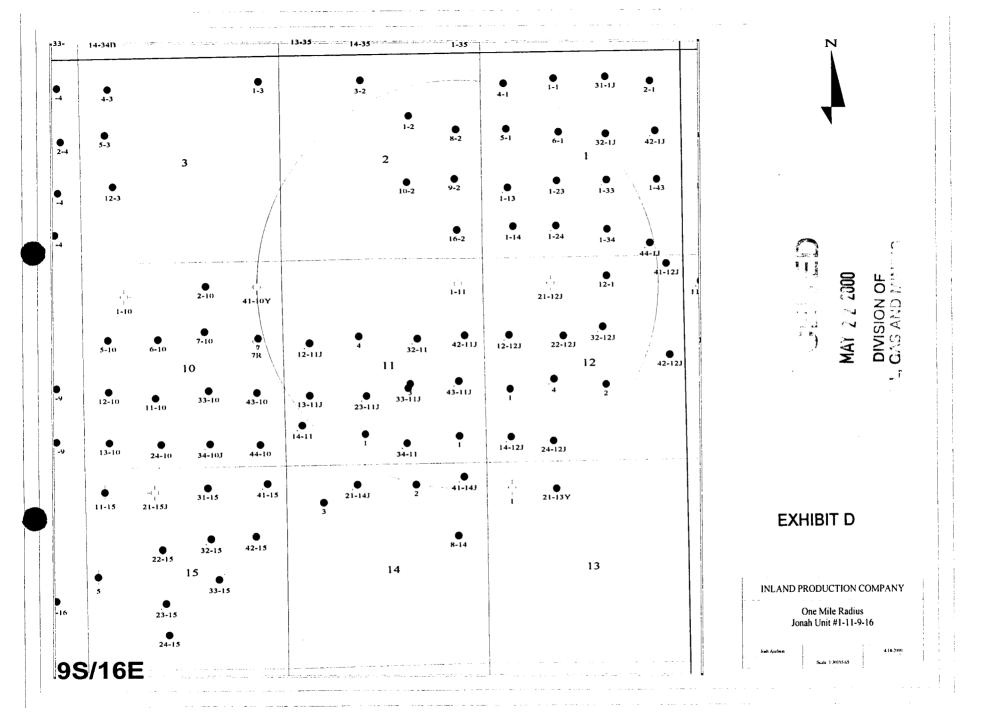


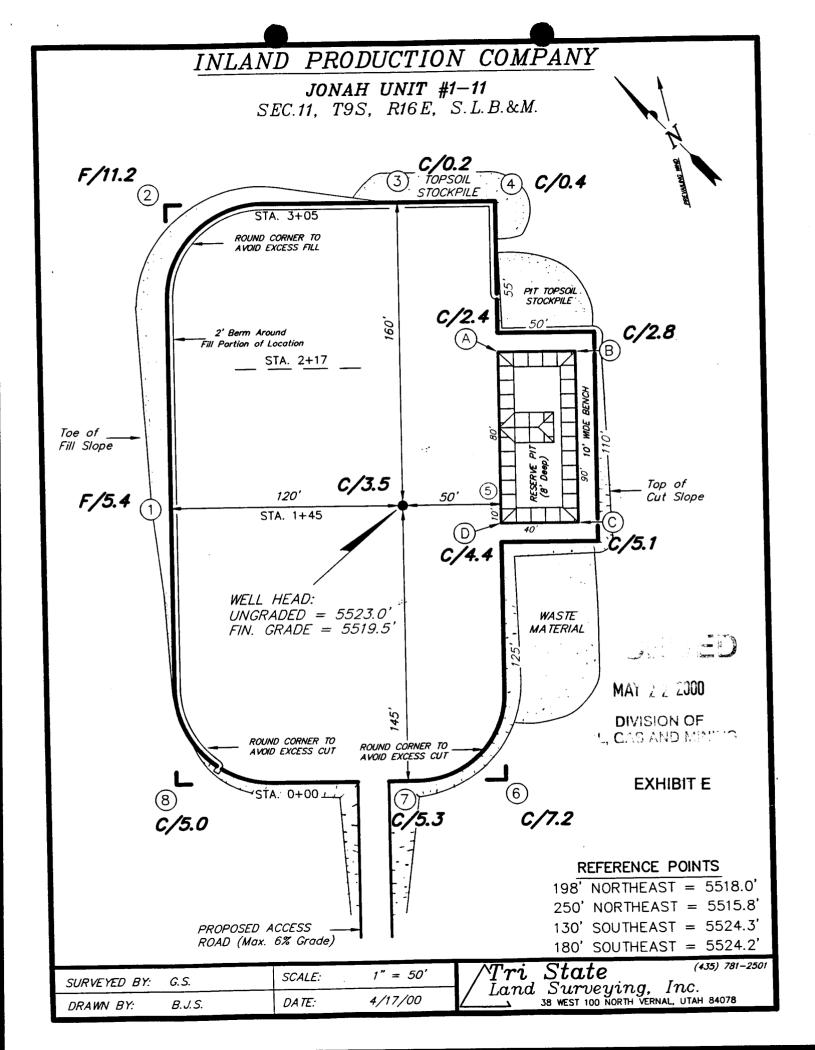
Drawn By: SS	Revision:
Scale: 1:100,000	File:
Date: 4-18-00	

Tri-State Land Surveying Inc. P.O. Box 533, Vernal, UT 84078 435-781-2501 Fax 435-781-2518



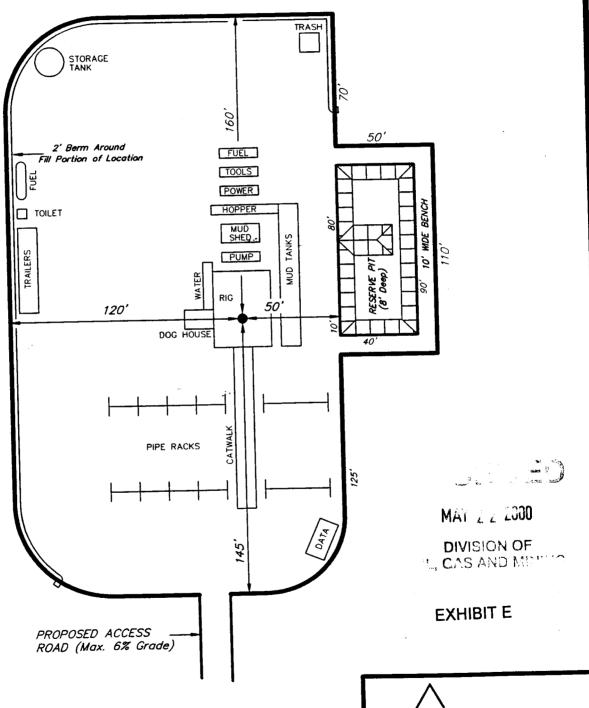






# INLAND PRODUCTION COMPANY

# TYPICAL RIG LAYOUT JONAH UNIT #1-11

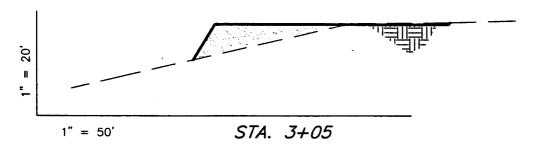


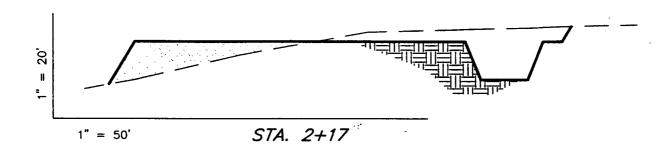
Tri State Land Surveying. Inc.  $\sum (435) 781 - 2501$ 38 WEST 100 NORTH, VERNAL, UTAH 84078

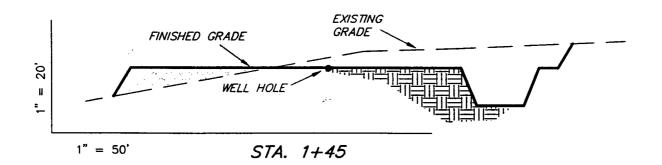
## INLAND PRODUCTION COMPANY

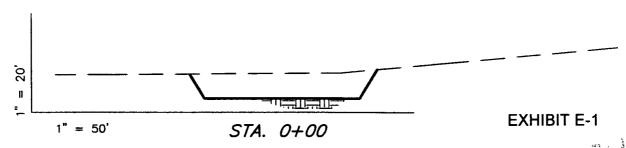
CROSS SECTIONS

### JONAH UNIT #1-11









### APPROXIMATE YARDAGES

CUT = 3,510 Cu. Yds.

FILL = 3,510 Cu. Yds.

920 Cu. Yds. PIT =

6" TOPSOIL = 1,060 Cu. Yds.

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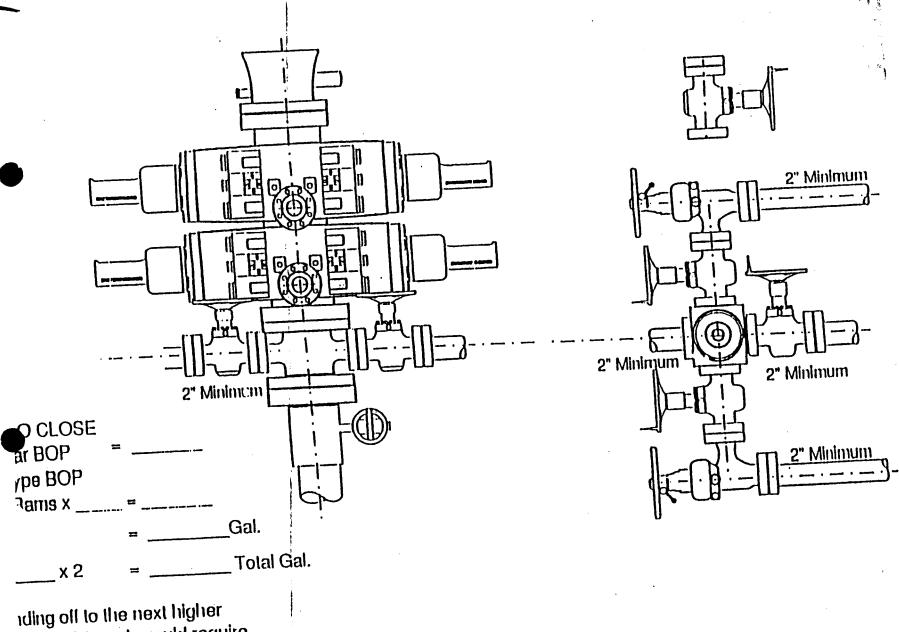
**DIVISION OF** L, CAS AND MINITO

	.,	
		,
SURVEYED BY:	G. S.	SCALE:

SURVEYED BY:	G. S.	SCALE:	1" = 50'
DRAWN BY:	B.J.S.	DATE:	4/17/00

	$^{\wedge}\!Tri$	State	(435) 781–2501
/	Land	Surveying,	Inc.
		38 WEST 100 NORTH VERN	IAL, UTAH 84078

# 2-M SYSTEM



ment of 10 gal. would require

....Gal. (total lluid & nitro volume)

EXHIBIT F

Well No.: Jonah 1-11-9-16

### CONDITIONS OF APPROVAL APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Jonah 1-11-9-16

Lease Number: UTU-096550

Location: NENE Sec 11, T9S, R16E

#### **GENERAL**

Access road should enter well pad from a southwesterly direction, branching off of the existing Jonah 32-11 (7-11-9-16) well location.

### **CULTURAL RESOURCES**

See CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.

### PALEONTOLOGICAL RESOURCES

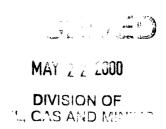
See CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.

### SOILS, WATERSHEDS, AND FLOODPLAINS

See CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.

#### WILDLIFE AND FISHERIES

See CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.



### THREATENED, ENDANGERED, AND OTHER SENSITIVE SPECIES

See CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.

BURROWING OWL: Due to the proximity of the location to active prairie dog towns, there is the potential to encounter nesting burrowing owls between April 1 and July 15. No new construction or surface disturbing activities will be allowed between April 1 and July 15 within a 0.5 mile radius of any active burrowing owl nest.

MOUNTAIN PLOVER: If new construction or surface disturbing activities are scheduled to occur between March 15 and August 15, detailed surveys of the area within 0.5 mile of the proposed location and within 300 feet of proposed access routes must be conducted to detect the presence of mountain plovers. All surveys must be completed prior to initiating new construction or surface disturbing activities (see Survey Protocol COAs EA Number 1996-61).

OTHER

### CULTURAL RESOURCE INVENTORY OF THE JONAH UNIT WELLS 1-11, 2-11, 3-11, AND THE SOUTH WELLS DRAW UNIT 15-34 IN DUCHESNE COUNTY, UTAH

JBR Cultural Resource Report 00-14

prepared for Inland Resources Inc. Denver, Colorado

submitted by

JBR Environmental Consultants Inc. Springville, UT

April 24, 2000

Federal BLM Permit No. 99UT55134 Utah State Project Authorization No. U-00-JB-0146b



MAY 2 2 2000

DIVISION OF U., GAS AND MINUTES

### MANAGEMENT SUMMARY

Agencies:

Utah State Historic Preservation Office (SHPO),

Bureau of Land Management (BLM) - Vernal Field Office.

**Project Number:** 

Utah State Project Authorization No.: U-00-JB-0146b,

Federal BLM Permit No.: 99UT55134

Utah State Permit No.: U-00-JB

Project Description: The project consists of a cultural resource inventory of four 40 acre inventory units for proposed well pad locations. The proposed well pads include the Jonah Unit wells 1-11, 1-11, 3-11 and the South Wells Draw Unit well 15-34. Ten acres of the South Wells Draw Unit well 15-34 had been previously inventoried and was not inventoried during the current project. A total of 150 acres were completed for the project, all of which are on lands

administered by the Bureau of Land Management.

Location:

The proposed project areas are located approximately ten miles southwest of

Myton in Duchesne County, Utah.

Cultural Resources: The Class III inventory did not identify any cultural resource sites. The only

cultural resources noted were three isolated finds.

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### 1.0 INTRODUCTION

JBR Environmental Consultants, Inc. of Springville, Utah, completed a cultural resource inventory of four 40 acre inventory areas for proposed well pad locations for Inland Resources, Inc. The proposed project inventory areas include the locations for wells 1-11, 2-11, and 3-11 in the Jonah Unit and 15-34 in the South Wells Draw Unit. A paleontological assessment of the project area was completed by Wade Miller under a separate report in March of 2000.

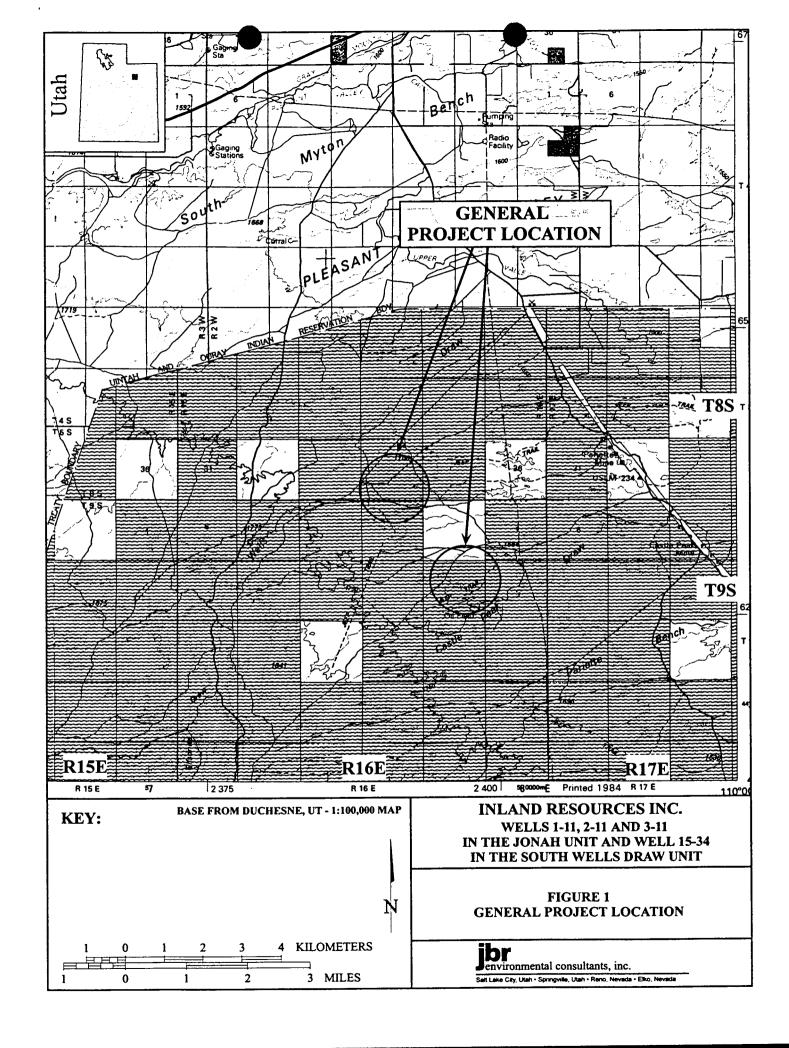
The cultural resource inventory of the proposed areas did not encounter any cultural resource sites. The only cultural materials noted were defined as three isolated finds. The project inventory was conducted on April 12, 2000 by JBR personnel Scott Billat, Richard Crosland, and Jenni Prince-Mahoney.

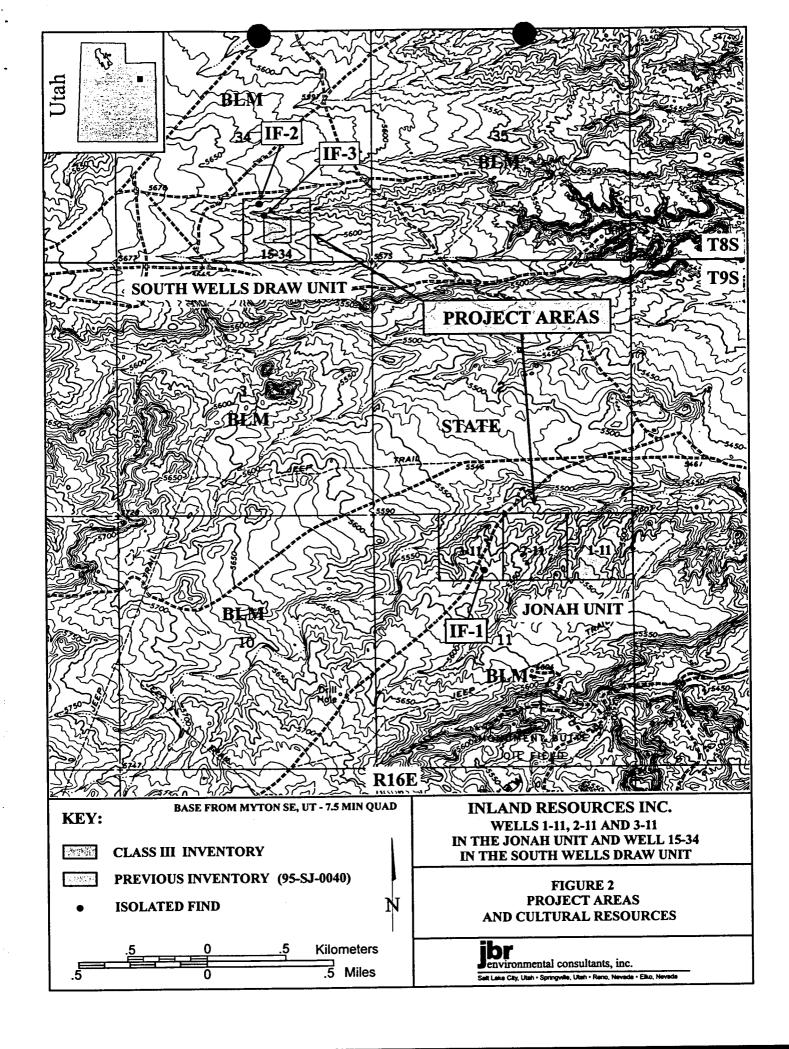
### 2.0 PROJECT LOCATION

All of the proposed project areas are located approximately ten miles southwest of Myton, Utah in Duchesne County (Figures 1 and 2). The project areas are located on lands administered by the Bureau of Land Management - Vernal Field Office. The legal locations for the project parcels are listed in Table 1.

Table 1. Project Area Legal Locations

Well Locations	Township/Range Section	Legal Locations	7.5 min USGS Quad
1-11 Jonah Unit	T9S R16E Section 11	NE 1/4 of NE 1/4	Myton SE, Utah
1-12 Jonah Unit	T9S R16E Section 11	NW 1/4 of NE 1/4	Myton SE, Utah
1-13 Jonah Unit	T9S R16E Section 11	NE 1/4 of NW 1/4	Myton SE, Utah
15-34 South Wells Draw Unit	T8S R15E Section 34	SW 1/4 of SE 1/4	Myton SE, Utah





### 3.0 NATURE OF PROPOSED IMPACTS

Inland Resources proposes to develop four well locations within the identified project area. Less than 10 acres per well pad will be impacted by Inland during drilling operations. The completion of 40 acre well tracts will give Inland an area to situate the final well placement and associated facilities during development. Also, access roads can be adjusted into the 40 acre well tracts. Many of these proposed wells will be accessed from existing roads.

### 4.0 ENVIRONMENTAL SETTING

The inventory areas in the Jonah Unit are bisected by Castle Peak Draw along the Pariette Bench. The terrain consists of dissected tableland with the Pariette Bench located just to the south. The inventory areas in the Wells Draw Expansion Unit are situated just to the north of Castle Peak Draw in an area dissected by two large intermittent drainages and a high bench feature.

### 4.1 Geology

The area is characterized by low rolling tablelands dissected by deep draws and low eroding bedrock outcrops of sandstone and limestone. Soils in the area are fine light tan to medium brown silty sands. The surface sediments consist of an inter-fingering of fluvial deposits and thinly bedded Pleistocene lake bed deposits. Sediments contain a moderate amount of Pleistocene gravels and some small areas of Eocene Green River Formation are visible in eroded areas.

### 4.2 Flora/Fauna

The project area is within the Upper Sonoran Life Zone. Vegetation within the project area includes four-wing saltbrush, winterfat, narrow leafed yucca, greasewood, and a variety of forbs and low grasses. Fauna noted in the project area includes antelope, jackrabbit, cottontail rabbit, and ground squirrel.

### 5.0 PREVIOUS RESEARCH

The Class I file search was conducted at the Utah State Division of History - Antiquities Section by Richard Crosland on April 10, 2000 and by Jeffrey Rust at the Bureau of Land Management - Vernal Field Office on April 13, 2000. The file search noted that numerous projects have been completed within the immediate vicinity of the current project area. The majority of these inventories have been associated with the gas and oil industry and include well pads, access roads, and pipeline projects. A listing of these cultural resource inventories conducted within or immediately adjacent to the proposed project blocks is incorporated below in Table 2.

Table 2. Previous Cultural Inventories Near the Current Project Areas

Report No.	Project	Consultant	Results
80-NH-0410	Archaeological investigations of proposed transmission line corridors for Moon Lake Project.	Nickens and Associates	Five sites
81-PA-0813	Gulf Energy Monument Butte Federal 1-23	Powers Elevation	No sites
82-GC-0692	Inventory of Lomax well 5-35	Grand River Consultants	No sites
82-PA-0683	Gulf Energy 1-13 Monument Butte Federal	Powers Elevation	One site
82-PA-0684	Gulf Energy 1-14 Monument Butte Federal	Powers Elevation	No sites
82-PA-0685	Gulf Energy 1-24 Monument Butte Federal	Powers Elevation	no sites
82-UT-0373	Inventory of a 40 acre well pad in Sec. 3 T.9S R.16E	Unknown	Unknowr
83-GC-0618	Inventory of Lomax Monument Federal Well 13-35	Grand River Consultants	No sites
83-GC-0619	Inventory of a 10 acre well pad	Grand River Consultants	Unknown
83-GC-0627	Inventory of a 10 acre well pad	Grand River Consultants	No sites
83-GC-0636	Lomax West Monument wells 1-34, 9-34, 10-35, 14-35	Brand River Consultants	No sites
83-PA-0615	Inventory of Gulf Energy 34-13 Wells Draw Federal well	Powers Elevation	No site
83-PA-0616	Gulf Energy 34-24 Wells Draw Federal well	Powers Elevation	No sites
83-SJ-0600	Natural Gas Corp pipeline	Sagebrush Consultants	No sites
84-AF-0206	Inventory of Phillips Petroleum Pipeline corridor in the Antelope Canyon, Wells Draw, and Pariette Bench localities	AERC	No sites
84-AF-0976	Inventory of Diamond Shamrock Walton Federal 34-11 and 43-11 and Pariette Bench 32-6 wells	AERC	No sites

(Table 2. Continued)

Report No.	Project	Consultant	Results
84-GC-0062	Inventory for Lomax Explorations's Pleasant Valley Federal 12-27 and access road	Grand River Consultants	No sites
84-GC-0984	Inventory of Lomax Monument Federal 2-34 well	Grand River Consultants	No sites
87-BL-0211	Castle Peak Reservoir	BLM - Vernal	No sites
89-AF-0086	Unknown linear inventory	AERC	Unknown
89-SJ-0418	Inventory of Two P.G.&E. wells near Monument Butte	Sagebrush Consultants	No sites
90-SJ-0065	Inventory of five PG&E Wells near Monument Butte	Sagebrush Consultants	Two sites
92-AF-0498	Inventory of Seven Balcron Oil well locations	AERC	One site
92-AF-0634	Inventory of Balcron Oil 7 Proposed well locations in Castle Peak Draw	AERC	Two sites
93-AF-0413	Inventory of Balcron Oil Pipeline corridor in the Castle Peak Draw Locality	AERC	No sites
93-AF-0446	Balcron Oil Monument Butte well	AERC	No sites
93-AF-0530	Inventory of Balcron Oil three water Injection pipeline segments in the Monument Butte locality	AERC	No sites
93-AF-0595	Eight proposed well location for Balcron Oil in the Monument Butte locality	AERC	Two sites
93-NP-0632	Inventory of the proposed Utah Power & Light Myton oil field power lines in Castle Peak Draw	Asa Nielson	Two sites, One paleo site
93-SJ-0720	Cultural Resource Inventory in the Wells Draw Unit	Sagebrush Consultants	Eight sites
94-AF-0332	Inventory of Balcron Oil Water Injection Line Lateral Segments near Monument Butte	AERC	One sites
94-AF-0710	Balcron Oil Wells and Access Routes in the Pariette Draw- Castle Peak Draw Localities	AERC	No sites
95-AF-0560	Inventory of the Balcron Oil water return pipelines in the Castle Peak Draw locality	AERC	No sites
95-SJ-0039	Inventory of two Lomax wells and access roads south of Wells Draw	Sagebrush Consultants	No sites
95-SJ-0040	Cultural and Paleontological Inventory of Four Lomax Wells near Monument Butte	Sagebrush Consultants	No sites
95-SJ-0490	Inventory of Monument Butte State 2-36 and 9-2 wells	Sagebrush Consultants	No sites
95-SJ-0638	Inventory of Inland Wells Monument Butte 10-2 and 15-2	Sagebrush Consultants	No sites

(Table 2. Continued)

Report No.	Project	Consultant	Results
96-AF-0445	Inventory of Equitable Resources pipeline corridor in the Pariette Bench/Wells Draw locality	AERC	Two sites
96-SJ-0012	Inland Resources Monument Butte Pipeline B	Sagebrush Consultants	No sites
97-SJ-0006	Inventory of a 40 acre well pad	Sagebrush Consultants	Unknown
98-AF-0164	Inventory of Inland's south wells draw unit in the castle peak draw locality	AERC	12 sites
BLM# 013-45	Inventory of a ten acre well pad in Section 3 T.9S R.16E	Unknown	No sites
BLM# 013-101	Inventory of Lomax Exploration Gas Pipeline between State 3-2 and Federal 4-35.	Grand River Consultants	One site

One previous project (95-SJ-0040) consisted of a ten acre well pad inventoried within the current proposed project area of the South Wells Draw Unit 15-34 (See Figure 2). This previous project completed by Sagebrush Archaeological Consultants in 1995 was a Class III inventory and did not encounter any cultural resource sites. This ten acre area was not re-inventoried by JBR during the current project.

General Land Office (GLO) maps for the area were reviewed in an effort to identify any historic features in the area that may still be visible on the ground. The 1911 GLO map for T9S R16E indicates that the *Road from Smith's Well to Pariette* was located within Section 11 within the project area. The road noted an the GLO map appears to be the same route shown as an unimproved trail on the *Myton SE*, *UT* 7.5 min. Quad. This road has been recently improved and currently exists as a graded crowned and ditched road. The 1911 GLO map for T.8S R16E indicates that the *Road from Price to Pariette* was located just south of Section 34 and outside of the project area. This road appears to be the same route shown as an unimproved trail on the *Myton SE*, *UT* 7.5 min Quad. No other historic features were noted on the GLO maps.

The Class I file search also revealed that no previously recorded sites were present in the proposed project area. The file search also indicated that no previously recorded sites were located within ¼ mile of the project area and that the majority of the projects located near the current inventory areas resulted in the documentation of few, if any. cultural resource sites.

### 6.0 ARCHAEOLOGICAL METHODS

A Class III inventory was completed for the project by three JBR cultural resource personnel, walking parallel transects at fifteen meter intervals. One small area of the project contained some mixed aeolian deposits and appeared to have higher site potential because of proximity to water sources or geologic features. When these areas were encountered during the inventory, they were investigated with more scrutiny. Isolated finds encountered during the inventory were recorded on a BLM Isolate Form and were plotted on a USGS topographic map.

A ten acre well pad location in the center of the South Wells Draw Unit 15-35 was previously inventoried by Sagebrush Archaeological Consultants in 1995 (Project # U-95-SJ-0040). Because this ten acre parcel was previously surveyed according to Class III inventory standards, it was not re-inventoried by JBR during the current project.

### 6.1 Archaeological Expectations

Previous projects indicate that the potential for prehistoric sites in the area was expected to be relatively low but would vary with the terrain. Terraces and edges of large drainages were expected to have higher prehistoric site potential. Other areas of undulating open spaces were expected to have a relatively low site potential.

The potential for historic properties was expected to be the greatest near the Wells Draw Expansion and relatively low in the remaining project areas. Gas and oil exploration activities have occurred in the area for the past three decades but rarely date prior to 1950. Historic roads noted on GLO maps from 1911 indicate there may be a potential for historic debris scatters along these roads.

#### 7.0 INVENTORY RESULTS

No cultural resource sites were located during the Class III inventory. The only cultural materials encountered consist of three isolated finds. The three isolated finds are noted in Table 4. Forms for each of the Isolated Finds are included in Appendix A.

The location of the *Road from Smith's Well to Pariette* shown on 1911 GLO maps appears to be the general route of a modern improved crowned and ditched road. The modern road probably follows this historic trail and has completely covered or destroyed the original route. The historic road, if indeed this is the location, no longer maintains any aspects of integrity and was not recorded during this inventory.

Table 3. Summary of Isolated Finds.

solate#	Artifact Description	Township Range and ¼ Sections
IF-1	Two hole-in-cap tin cans measuring 4"dia x 4 1/4"hgt with a 2 1/4" cap	SW% SE% NE% NW%
	and one evaporated milk tin can with "punch here embossed" (Simonis type 17).	Sec. 11 T9 S R16 E
IF-2	One evaporated milk can embossed with "Punch Here" (Simonis	NE% NW% SW% SE%
	Type17) and three miscellaneous crushed tin cans	Sec. 34 T8 S R16E
IF-3	A lithic scraper and a possible chopper/scraper	NE% NW% SW% SE%
		Sec. 34 T8S R16E

### 8.0 SUMMARY AND RECOMMENDATIONS

The Class III inventory did not encounter any cultural resource sites. The only cultural materials encountered consist of three isolated finds.

The nature and age of prehistoric cultural resources in the area indicates that there is always the possibility of encountering previously unidentified cultural resources during any ground disturbing activities. In order to protect any unidentified or unrecorded cultural properties which may exist, the following restrictions should apply during construction of the well pad:

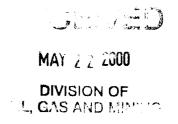
- 1. Personnel and equipment associated with the project should be restricted to the area cleared for the project.
- 2. Personnel associated with the project should refrain from collecting or otherwise disturbing cultural materials that may be encountered during development.

- 3. If unrecorded cultural materials are encountered during the project, activities in the affected area(s) should cease, and the appropriate State office (SHPO), BLM Field Office should be notified before development in the area is resumed.
- 4. Human burials or other physical remains encountered during the project, require immediate cessation of activity in the affected area, as well as immediate notification of proper authorities. Native American burials or other remains must be reported to the BLM, Utah SHPO and appropriate Native American groups.

INLAND RESOURCES INC. 410 Seventeenth Street, Suite 700 Denver, Colorado 80202

### PALEONTOLOGICAL REPORT

Jonah Federal #1-11-9-16 NE NE Sec. 11-T9S-R16E Duchesne County, Utah



### INLAND RESOURCES, INC.

# PALEONTOLOGICAL SURVEY OF PROPOSED PRODUCTION DEVELOPMENT AREAS, SOUTHEASTERN DUCHESNE COUNTY, UTAH

(Sections 5, 6, 11, and 12, Township 9 South, Range 16 East)

### REPORT OF SURVEY

Prepared for Inland Resources, Inc.

By Wade E. Miller
Consulting Paleontologist

WM #00-03

March 27, 2000

### Introduction

On Thursday, March 16, 2000, Wade Miller received a fax from Jon Holst of Inland Resources in Denver, Colorado, requesting that a paleontological field survey be performed on various proposed well units in southeastern Duchesne County. The requested areas to be surveyed involved seven quarter, quarter sections as follows: Jonah Unit 4-12; NW 1/4, NW 1/4, Sec. 12, T 9 S, R 16 E, Jonah Unit 1-11; NE 1/4, NE 1/4, Sec. 11, T 9 S, R 16 E, Jonah Unit 2-11; NW 1/4, NE 1/4, Sec. 11, T 9 S, R 16 E, Jonah Unit 3-11; NE 1/4, NW 1/4, Sec. 11, T 9 S, R 16 E - Wells Draw Unit 5-5; SW 1/4, NW 1/4, Sec. 5, T 9 S, R 16 E, Wells Point Unit 12-5; NW 1/4, SW 1/4, Sec. 5, T 9 S, R 16 E. These units are located on both the Myton SE and Myton SW 7.5' USGS quadrangles. Several previous paleontological surveys have been made by Wade Miller at proposed well locations in the general area, some being close to those surveyed for the present report.

It is critical that these and other areas be surveyed paleontologically, as important fossils may be encountered during excavating activities. Some have already been found and noted in previous survey reports. The extensive well fields south of Myton, Utah, being developed by Inland Resources, Inc., are on beds of the Uinta Formation, one of the most paleontologically significant formations in Utah. The fossil fauna recovered from this formation is truly impressive. It includes various plants, fish, amphibians, reptiles and mostly mammals. Their study has not only provided data about the various taxa, but has contributed to a knowledge of climatic conditions that existed at the time, about 40 - 42 million years ago. While many types of fossil vertebrates have already been discovered, there is the possibility that better specimens will be found which can provide significant new information. Also, it is likely that new species will be discovered in time.

### **Paleontological Field Survey**

The present paleontological field survey was done on Saturday, March 25, 2000. Each of the quarter/quarter sections listed above was surveyed on foot. While the bulk of the area surveyed was on the Eocene age Uinta Formation, Wells Draw, which bisects some of surveyed units, contains substantial amounts of Quaternary alluvium. While some of these deposits are undoubtedly of Holocene (Recent) age, some appeared to be Pleistocene. And Pleistocene sediments have produced important vertebrate fossils, such as mammoths, mastodons, giant ground sloths and other extinct animals from various parts of Utah. For this reason the deposits in Wells Draw were carefully inspected where they existed in the area of the present survey.

Some, but not all, of the quarter/quarter sections surveyed were marked by stakes, making their exact locations easier to survey. Staked areas included the SW 1/4, NW 1/4, and NW 1/4, SW 1/4, Sec. 5, T 9 S, R 16 E, of the Wells Draw and Wells Point units. The ground surface here and in the NW 1/4, SW 1/4, Sec. 6. T 9 S, R 16 E, was largely covered in weathered rock fragments from the Uinta Formation and desert soil. However, numerous rock outcrops were noted on the slopes of Wells Draw. These consisted of interbedded sandstones and shales, mostly the former. The sandstone beds range from thick to thin with some cross-bedding, from coarse to fine in particle size, and brown to tan to brownish-green in color. The shales were reddish-brown in some areas, green in others. All these units were carefully inspected for fossils, as were the Quaternary sediments at the bottom of Wells Draw.

The four quarter, quarter sections listed above in the Jonah Unit, since they are contiguous, were walked out and paleontologically surveyed as one unit. There are only limited exposures of bedrock in all four of these quarter, quarter sections. Most of the area is covered with weathered rock fragments and desert soil, which is not conducive for finding fossils. Two arroyos running through the area provided the only significant outcrops of Uinta Formation. These are mostly sandstone layers with some exposed intercalated shales. Again, the nature of the sandstones was similar to those given above. It was noted here, however, that ripple marks occur in some of the

finer grained sandstones. Cross-bedding occurs in coarser sandstone units. Both the ripple marks and cross-bedding are indicative of current action, and serve to demonstrate that many of the units were deposited in stream channels.

### **Results of Survey**

In the Wells Draw and Wells Point quarter, quarter sections, plant fossils consisting mostly of twig and leaf fragments are locally abundant. These are mainly confined to an upper brown sandstone bed of medium sized sand grains. The only difference in these plant fossils in the three quarter, quarter sections is that those in the NW 1/4, SW 1/4, Sec. 6, T 9 S, R 16 E, contained some small to moderate sized branches. Mostly, though, these are of impressions, with few compressions.

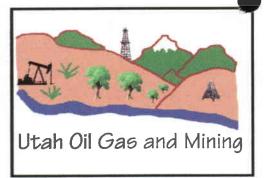
In the four quarter, quarter, sections of the Jonah Units, only a few possible fossil plant fragments were observed. However, in Jonah Unit 3-11; NE 1/4, NW 1/4, Sec.11, T 9S, R 16 E, at the bottom of the arroyo, a few burrowing structures were noted in the finer grained sandstones.

### **Recommended Mitigation**

While plant fossils were observed at a few localities, as noted above, their poorly preserved nature and condition makes them scientifically relatively unimportant. The uncommon burrowing structures found are also not considered to be of scientific importance. There was a total absence of any vertebrate fossils seen in any of the seven quarter, quarter sections surveyed paleontologically. Therefore, the only mitigation recommended is to inform those excavating these areas that it is still possible that important fossils could be uncovered, and that they should immediately contact a paleontologist if bones are uncovered.

Wade E. Miller 3/28/00

APD RECEIVE	D: 05/22/2000	API NO. ASSIGNI	ED: 43-013-3215	7
WEEL MILLEY	JONAH FED 1-11  INLAND PRODUCTION ( N5160 )  JON HOLST	PHONE NUMBER: 3	03-893-0102	
PROPOSED LO		INSPECT LOCATN	I BY: / /	
	11 090S 160E : 0660 FNL 0660 FEL	Tech Review	Initials	Date
BOTTOM:	0660 FNL 0660 FEL	Engineering		
	r BUTTE ( 105 )	Geology	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	
LEASE NUMBE	1-Federal ER: UTU-096550  JER: 1-Federal  DRMATION: GRRV	Surface		
Plat Bond: (No. N Potas N Oil S Water (No. N RDCC (Da	ND/OR REVIEWED:  Fed[M] Ind[] Sta[] Fee[]  4488944	R649-2-3.  R649-3-2.  Siting:  R649-3-3.  Drilling Un  Board Caus  Eff Date:  Siting:  R649-3-11.	Unit Jonah  General  Exception  it	11
COMMENTS:	mon. Bull Field (S.O.P.), Sep NS: (1) FEDERAL APPROVA			



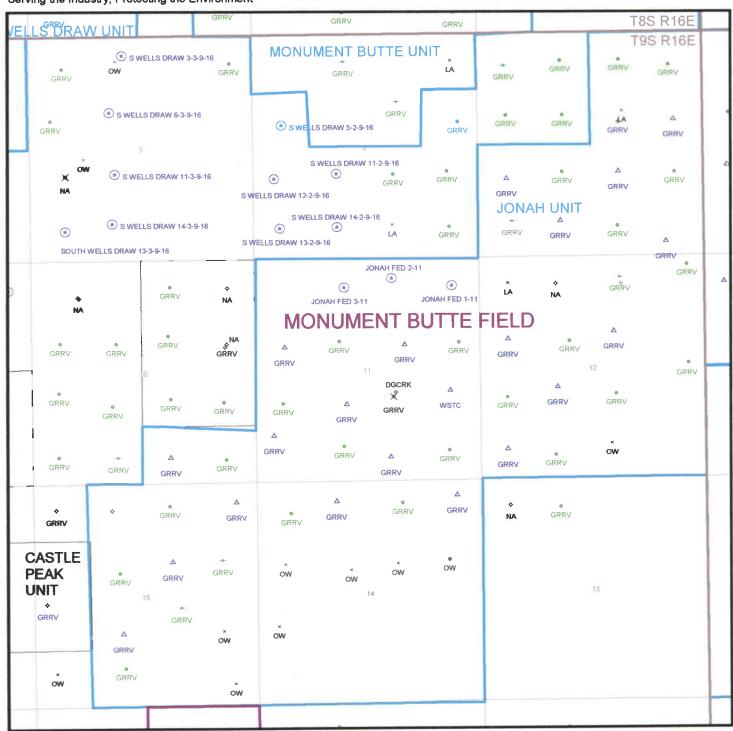
OPERATOR: INLAND PRODUCTION CO. (N5160)

FIELD: MONUMENT BUTTE (105)

SEC. 11, T 9 S, R 16 E,

COUNTY: UINTAH STATE SPACING

Serving the Industry, Protecting the Environment



PREPARED
DATE: 2-JUN-2000



Michael O. Leavitt Governor Kathleen Clarke Executive Director Lowell P. Braxton Division Director 1594 West North Temple, Suite 1210 PO Box 145801 Salt Lake City, Utah 84114-5801 801-538-5340 801-359-3940 (Fax) 801-538-7223 (TDD)

June 6, 2000

Inland Production Company 410 17th St, Suite 700 Denver, CO 80202

Re:

Jonah Federal 1-11 Well, 660' FNL, 660' FEL, NE NE, Sec. 11, T. 9 South, R. 16 East,

Duchesne County, Utah

#### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32157.

Sincerely,

John R. Baza Associate Director

er

Enclosures

cc:

**Duchesne County Assessor** 

Bureau of Land Management, Vernal District Office

Operator:	Inland Production Con	mpany	<del> </del>
Well Name & Number	Jonah Federal 1-11		
API Number:	43-013-32157		
Lease:	UTU-096550		
Location: <u>NE NE</u>	Sec. 11	T. 9 South	<b>R.</b> 16 East

#### **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

• Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338
- Contact Robert Krueger at (801) 538-5274.

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval which must be obtained prior to drilling.

Form 3160-5 (August 1999)

#### D STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

1	FORM APPROVED
	OMB NO. 1004-0135
	Expires: November 30, 2000

		_			_	_
Ιρ	200	C_	ri a	t	Nο	

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.					3006 Illottee or Tribe Name
SUBMIT IN TRIPLICATE - 0	Other instructions on	reverse side		7. If Unit or C	A/Agreement, Name and/or No.
					•
1. Type of Well Oil Well X Gas Well Other  2. Name of Operator				8. Well Name Ankerpont	and No. #31-87
Coastal Oil & Gas Corporation		21 21 21 21 /: / /		9. API Well N	lo.
3a. Address P.O. Box 1148, Vernal UT 84078		3b. Phone No. ( <i>include ar</i> (435) 781-7023	· · · · · · · · · · · · · · · · · · ·	43-047-333	Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey De	escription)	(100)		Ouray	root, or exploratory ritea
SW/SW Sec.31,T8S,R21E				11. County or	Parish State
660'FSL & 660'FWL				Uintah	UT
12. CHECK APPROPRIATE	BOX(ES) TO IND	DICATE NATURE OF	NOTICE, REP	<del></del>	
TYPE OF SUBMISSION		<del></del>	PE OF ACTION		
Notice of Intent  X Subsequent Report	Acidize Alter Casing Casing Repair	Deepen Fracture Treat New Construction	Production Reclamation Recomplete		Water Shut-Off Well Integrity  X Other Drilling
Final Abandonment Notice	Change Plans	Plug and Abandon	Temporari	ly Abandon	Summary
r	Convert to Injecti	on Plug Back	Water Disp	posal	
following completion of the involved operations. If testing has been completed. Final Abandonment Nodetermined that the final site is ready for final inspections.  Finished drilling from 484' to 862 445 sks Poz (Fly Ash) 750 sks Premarking released @ 12:01 a.m. on 7/6/0	otices shall be filed on ction.) 25'. Ran 181 j nium Lite II.	nly after all requirements, in	ocluding reclamations  -55 Csg. Cmt	on, have been co t w/445 sks	Class "G" Cmt,
					and the same of th
				\$1.27 A	
			ł		2405 
14. I hereby certify that the foregoing is true and correct Name ( <i>Printed/Typed</i> )		Title			
Name (Printed/Typed)  Katy Dow		Envir	onmental Jr.	Analyst	
Latel Dous		Date 7/6/00			
	SPACE FOR FEI	DERAL OR STATE OF	FICE USE	<del></del>	
Approved by		Title		D	ate
Conditions of approval, if any, are attached. Approval of certify that the applicant holds legal or equitable title to which would entitle the applicant to conduct operations the	those rights in the sub	warrant or Office oject lease			

-- FORM 3160-3 (December 1990)

UNITED STAT

SUBMIT IN TRIPLICATE\*

(Other instructions on reverse side)

E.

Form approved.

Budget Bureau No. 1004-0136

Expires December 31, 1991

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT					5. LEASE DESIGNATION UTU-0965	550		
APPLICATION FO	R PERMIT TO	DRIL	.L, DEEPEN, C	R P	LUG BAC	K	6. IF INDIAN, ALOTTE	E OR TRIBE NAME
1a. TYPE OF WORK  1b. TYPE OF WELL  OIL  WELL  X  WELL	1a. TYPE OF WORK DRILL X DEEPEN  1b. TYPE OF WELL  OIL GAS SINGLE MULTIPLE						7. UNIT AGREEMENT Jonah 8. FARM OR LEASE N Jonah	Unit
2. NAME OF OPERATOR Inland Production Col	mpany						9. WELL NO. #1-11	
3. ADDRESS OF OPERATOR					20) 200 040	_	10. FIELD AND POOL	
410 - 17th Street, Suite 4. LOCATION OF WELL (Report in				e: (3	03) 893-010	2	11. SEC., T., R., M., OR	ment Butte
At Surface NENE, 660' F	NL and 660' FEL						AND SURVEY OR A	
At proposed Prod. Zone							NENE Sec 1	1, T9S, R16E
14. DISTANCE IN MILES AND DIRECT							12. County	13. STATE
	.0 miles southwest				<b>I</b>		Duchesne	Utah
<ol> <li>DISTANCE FROM PROPOSED* LOG OR LEASE LINE, FT. (Also to nearest</li> </ol>		RTY	16. NO. OF ACRES IN LEASE		17. NO. OF ACRES		D TO THIS WELL	
Approximately 66  18. DISTANCE FROM PROPOSED LOC			840 19. PROPOSED DEPTH		20. ROTARY OR C.	40	OLS	
DRILLING, COMPLETED, OR APPL	JED FOR ON THIS LEASE, FT							
Approximately 14 21. ELEVATIONS (Show whether DF, RT			6500'		Rota		OX. DATE WORK WILL	CT A D TA
5523' GR	, GK, etc.)					.22. APPR	Third quarter	
23. PROPOSED CASING	AND CEMENTING P	ROGR	AM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FC	оот	SETTING	DEPTH	QUANTI	TY OF CEMENT	
Refer to Monument B	utte Field SOP's	Drillin	ıg Program/Casir	ng De	sign			
	on Company prop of Approval are a		-	in ac	cordance w	ith the	e attached ext	nibits.
						\$ 	RECE	INED
				r;	re in lamba mengalah dan pada Perangan dan pada mengalah dan pada	=	LIAY 22	2000
IN ABOVE SPACE DESCRIBE PRO	OPOSED PROGRAM : If pr	oposal is	to deepen or plug back, give	data en	present productive	zone and	proposed new producti	ve zone.
If proposal is to drill or despen direct	ionally, give pertinent data o	n subsurf	ace locations and measured	and true	vertical depths. Gi	ve blowo	ut preventer program, if	any.
SIGNED /m /Jon Holst	4		TITLE Counsel			DATE	5/	08/00
(This space for Federal or State office of PERMIT NO.	ise)		APPROVAL DATE		HOTICE	OF I	APPROVAL	-
Application approval does not warrant	or certify that the applicant holds	legal or eq	uitable title to those rights in the	subject le	se which would entitl	e the applic	ant to conduct operations t	hereon.
CONDITIONS OF APPROVAL, IF A	B Cloure	y F			i Manager cources	DATE	7/31/	/ !T

#### \*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

COAs Page 1 of 3 Well No.: JONAH FEDERAL 1-11

# CONDITIONS OF APPROVAL APPLICATION FOR PERMIT TO DRILL

Company/Operator: <u>Inland Production Company</u>
Well Name & Number: <u>Jonah Federal 1-11</u>
API Number:43-013-32157
Lease Number: <u>U -096550</u>
Location: NENE Sec. 11 T. 9S R. 16E

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

COAs Page 2 of 3 Well No.: JONAH FEDERAL 1-11

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

### A. <u>DRILLING PROGRAM</u>

Casing Program and Auxiliary Equipment

As a minimum, the usable water resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at  $\pm 1,752$  ft.

COAs Page 3 of 3 Well No.: JONAH FEDERAL 1-11

#### SURFACE USE PROGRAM

## Plans For Reclamation Of Location:

All seeding for reclamation operations at this location shall use the following seed mixture:

Artemisia nova	3 lbs/acre
Atriplex confertifolia	3 lbs/acre
Hilaria jamessi	3 lbs/acre
Bouteloua gracilis	3 lbs/acre
	Atriplex confertifolia Hilaria jamessi

If the seed mixture is to be aerially broadcasted, the pounds per acre shall be doubled. All seed poundages are in Pure Live Seed.

Immediately after construction the stockpiled top soil will be seeded and the seed worked into the soil by "walking" the pile with caterpillar tracks.

## Other Additional Information:

The installation of the buried water line for water injection and water return will adhere to the conditions to monitor for mountain plover and burrowing owl if installation is to occur March 15 through August 15.

Installation of the buried water line will be as narrow as possible but will not exceed 60 feet from the outer edge of the proposed access road. After installation the water line route will be reclaimed to near natural contours and seeded with the seed mixture for other reclamation practices.



September 5, 2000

**Bureau of Land Management** Vernal District Office, Division of Minerals 170 South 500 East Vernal, Utah 84078

Attn:

Mr. Edwin I. Forsman

Re:

Geologic Prognosis

Dear Mr. Forsman:

Enclosed please find the prognosis for the following wells:

- Jonah Federal #1-11-9-16 95; 16E; 5-11
- Jonah Federal #2-11-9-16
- Jonah Federal #3-11-9-16
- Jonah Unit #4-12-9-16
- Wells Draw #5-5-9-16
- West Point #12-5-9-16
- West Point #13-5-9-16
- Nine Mile #12-6-9-16-West Point Ula-6-9-16
- West Point #9-31-8-16
- Odekirk Spring #1-A-35-8-17
- Odekirk Spring #9-36-8-17
- Odekirk Spring #16-36-8-17

If you should have any questions, please contact me at (303) 893-0102.

Sincerely, radalyn M. Kunge

Madalyn M. Runge **Operations Secretary** 

**Enclosures** 

State of Utah, Division of Oil, Gas and Mining

Attn: Mr. Robert Krueger

P.O. Box 145801

Salt Lake City, Utah 84114-5801

Well File - Denver Well File - Roosevelt RECEIVED

SEP 07 2000

**DIVISION OF** OIL, GAS AND MINING

# INLAND PRODUCTION COMPANY GEOLOGIC PROGNOSIS AND LOG DISTRIBUTION LIST

WELL: Jonah Federal #1-11-9-16

**API Number**: 43-013-32157

LOCATION: 660' FNL, 660' FEL (NENE)

Section 11 **T9S, R16E**Duchesne County, Utah

ELEVATION: 5523' Ground

5533' KB

TOPS:		ANTIC	CIPATED PAY SANDS:
Uinta Formation	surface		
Green River Formation			
Garden Gulch Member	4030'	GB-4	4140'
Point Three Marker	4210'	GB-6	4190'
'X' Marker	4550'	PB-10	4380'
'Y' Marker	4585'	PB-11	4510'
Douglas Creek Member	4710'	D-1	4730'
Bicarbonate	4950'	D-3	4835'
B Limestone	5075'	A-3	5235'
Castle Peak Limestone	5550'		
Basal Limestones			

TOTAL DEPTH:

5600'

**CORES:** None planned **DSTS:** None planned

SAMPLES: 30' samples from 3000' to TD

**DRILLING:** 

Union Rig #14 (435) 828-6434 Pusher: (435)828-6433 Rex Harris

Superintendent: David Gay (435) 828-8031 (cellular)

REPORT WATER FLOWS TO UTAH DIVISION OF OIL, GAS AND MINING: (801) 538 5327

#### **OPEN HOLE LOGGING:**

Phoenix Surveys: David (970) 263 4063

DIGL/SP/GR Suite: TD to surface casing DSN/SDL/GR/CAL Suite logs: TD to 3000'

Gamma Ray scale 0-150 Matrix density 2.68 LAS data floppy required.

> Jonah Federal #1-11-9-16 Page 1 of 3

#### DATA DISTRIBUTION:

Inland Production Company (Mail 6 copies)

Rt #3 Box 3630 Myton, UT 84052 Attn: Brad Mecham

Inland Production Company (Mail 6 copies,

EXPRESS)

410 17th St., Suite 700 Denver, CO 80202 Attn: Madalyn M. Runge

Bureau of Land Management (Mail 1 copy)

170 S. 500 East Vernal, UT 84078 Attn: Ed Forsman

State of Utah

Division of Oil, Gas, & Mining (Mail 1 copy)

1594 W North Temple, Suite 1210

P.O. Box 145801

Salt Lake City, UT 84114-5801

#### **COMPANY CONTACTS:**

Pat Wisener (District Drilling Foreman)

(435) 646 3721 office (435) 646 3031 office fax (435) 823 7468 cellular (435) 646 1270 pager

Brad Mecham (District Manager)

(435) 646 3721 office (435) 646 3031 office fax (435) 823 6205 cellular (435) 353 4211 home

Kevin Weller (Operations Manager)

(303) 382-4436 office (303) 279-7945 home (303) 358-3080 cellular

#### **PARTNERS:**

Coastal Oil & Gas Corp (Mail 1 copy)

Joint Interest Billing P.O. Box 154 Houston, TX 77001

Key Production Company, Inc

707 17th Street, Suite 3300

Denver, CO 80202-3404

King Oil & Gas of Texas, Ltd. (Mail 1 Copies)

(Mail 1 copy)

(Mail 1 Copy)

(Mail 1 Copy)

(Mail 1 Copy)

C/O Robert D. Fry, CPA 402 North Avenue E Houston, TX 77338

Montana & Wyoming Oil Co.

Attn: Robert Balsam

PO Box 1324 Billings, MT 59103 (406) 259 1837 office

John & Bonnie B. Warne

626 Cave Rd. Billings, MT 59101

Bonaventure Resources Inc. (Mail 1 Copy)

215 Lakeside Blvd. Lakeside, MT 59922

Carol J. Bibler

2477 I Road

Grand Junction, CO 81505

Leslie J. Breaux (Mail 1 Copy) 3505 SE Martins

Portland, OR 97202

Vaughey & Vaughey (Mail 1 Copy)

125 S. Congress St., Suite 1840

Jackson, MS 39201 (601) 354 4612

Thomas J. Lambert (Mail 1 Copy)

PO Box 1417 Billings, MT 59103

Billings, MT 59103

Carl B. Field (Mail 1 Copy)

PO Box 580

Choteau, MT 59422

Larry R. Simpson (Mail 1 Copy)

PO Box 1195 Kalispell, MT 5990

Kalispell, MT 59903

#### PARTNERS:

R. Lee Tucker (Mail 1 Copy)

12741 E. Caley, Ste 142 Englewood, Colorado 80111

Edwards & Davis Energy Inc.

R. Lee Tucker P.O. Box 34

Chappell Hill, TX 77426

(Mail 1 Copy)

Devon Energy Co. LP (Mail 1 Copy) 20 N. Broadway, Suite 1500

Oklahoma City, OK 73102-8260

Petro Tech Service Co. 3000 N. Garfield, Suite 210

Midland, TX 79701

(Mail 1 Copy)

West Texas Specialty Consulting Services Inc.

PO Box 80362 Midland, TX 79708 (Mail 1 Copy)

## DIVISION OF OIL, GAS AND MINING

## **SPUDDING INFORMATION**

Name of Company: INLAND P	RODUCTION C	COMPANY	<u> </u>	
Well Name: JONAH FI	ED 1-11		- · · · · · · · · · · · · · · · · · · ·	
Api No 43-013-32157	LEASE T	YPE:	<u>FEDERAI</u>	
Section 11 Township 09S F	Range 16E	_County _	DUCHE	ESNE
Drilling Contractor <u>LEON ROSS R</u>	ATHOLE	RI	G #	14
SPUDDED:				
Date 09/18/2000				
Time 1:00 PM				
HowDRY				
Drilling will commence				
Reported by PAT WISENER			•	
Telephone # 1-435-823-7468	<u> </u>			
Date 09/18/2000	Signed:	CHD		- Marson

STATE CF UTAH

DIMISION OF OIL, GAS AND MINING

FAX	ļ
PRODUCTION CO	
	`
INLAND	
13 PM	
3:13	

OPERATOR: WLAND PRODUCTION COMPANY ADDRESS: RT. 3 BOX 3630

MYTON, UT 84052

UNISION C	CF OIL, GAS AN		c		MYTON, U	11 04032					
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		NEW	APINUVEER	AVET LOCK E	CC	sc	72	RG_	COUNTY		
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-26	1-10		APINJUBER	₩ELL NA!#E			TP	१उ	COUNTY	DATE	
COSE	CURRENT	WEW CH ALLUNG	A 1110		02	SC_			Duchesne	September 5, 2000	09/05/2000
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<i></i>										SPUD	SFECTIVE
2	6-00			WELLNAME			WELL	LOCATION		DATE	DATE
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COLE	ENTITYNO	ен личко			AUAFIAII	11	98	16E	Duchesne	September 13, 2000	09/13/2000
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ACTES COUS		inio A Acc	<u> </u>				95	161	E Duchesne	September 18, 2000	09/18/200
B	00000	11492	43-013-32157	Jonah #1-11	NEIN	IE 11	1 92	1 10			
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WET ECOANEME

19-26-00

ACTION DODGE (See Temporaries en batter of later)

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- B. MIRELED SIGNATURE
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- C Beauty of Helikarian present that the article
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HOTE OR SOMEWE RECORD CODE OF THE SEE ACTIVITIES WAS THE STOR

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Freduction Clerki

Kethin S Jones

Geptember 26. 2000

N5160

CPERATOR ACCT. NO.

Date

FQRM 3160-5

## UNITED STATES

FORM APPROVED
Budget Bureau No. 1

Buc	lget	Bureau	No.	1004-013
_				

	T OF THE INTERIOR  AND MANAGEMENT	Budget Bureau No. 1004-0135 Expires: March 31, 1993
SUNDRY NOTICES AND	REPORTS ON WELLS	5. Lease Designation and Serial No. UTU-096550
Do not use this form for proposals to drill or to deep Use "APPLICATION FO	en or reentry a different reservoir.  OR PERMIT -" for such proposals	6. If Indian, Allottee or Tribe Name NA
SUBMIT IN	TRIPLICATE	7. If Unit or CA, Agreement Designation  Jonah Unit
X Oil Gas Well Other		8. Well Name and No.  Jonah Fed. 1-11-9-16  9. API Well No.
2. Name of Operator INLAND PRODUCTION COMPANY		43-013-32157 10. Field and Pool, or Exploratory Area
3. Address and Telephone No.  Route 3 Box 3630 Myton, Utah 84052 4.  4. Location of Well (Footage, Sec., T., R., m., or Survey Description)	35-646-3721	MONUMENT BUTTE  11. County or Parish, State
660'' FNL & 660'' FEL NE/NE Sec.11, T9S, R16E		Duchesne County, UTAH
12. CHECK APPROPRIATE BOX(s) TYPE OF SUBMISSION	TO INDICATE NATURE OF NOTICE, RE TYPE	PORT, OR OTHER DATA OF ACTION
Notice of Intent  X Subsequent Report  Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing X Other Surface Spud	Change of Plans  New Construction  Non-Routine Fracturing  Water Shut-Off  Conversion to Injection  Dispose Water  (Note: Report results of multiple completion on Well  Completion or Recompletion Report and Log form.)
13 Describe Proposed or Completed Operations (Clearly state all pertinent details ally drilled, give subsurface locations and measured and true vertical depths MIRU Leon Ross RIG # 14. Drill m	s for all markers and zones pertinent to this work.)*	

Drill mouse hole & rat hole. Spud well @ 1:00pm on 9/18/00. Drill 12 1/4" hole with air mist to a depth of 307". TIH w/ 85/8" J-55 csg. Landed @ 304' KB. On 9/21/00 Cement with \*155 sks class "G" w/ 2% CaCL2 & 1/4#/sk Cello-flake mixed @ 15.8ppg.>1.17 YLD. Estimated 8 bbls cement to surface. Wait on drilling rig.

Signed State Service and Correct	Title	Drilling Foreman	Date	09/25/2000
This space for Federal or State office use)				
Approved by	Title		Date	

## INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

			8 5/8	CASING SET	AT	304.97			
		SET A	T 304.97					duction Com	ipany
DATUM	10' KB						Jonah 1-1		
DATUM TO (	CUT OFF CA	SING _			FIELD/PROS	SPECT _	Monument	Butte	
DATUM TO E	BRADENHE	AD FLANGE		<del></del>	CONTRACT	OR & RIG #		Union # 14	
TD DRILLER	307	LOGGE	ER			•			
HOLE SIZE	12 1/4								
LOG OF CAS	SING STRIN	G:							
PIECES	OD	ITEM -	MAKE - DESC	RIPTION	WT/FT	GRD	THREAD	CONDT	LENGTH
		LANDING J	Τ						3.7
		WHI - 92 cs	a bood				8rd	A	0.00
7	8 5/8"	Maverick ST			24#	J-55	8rd		0.95
	8 3/8	-	GUIDE	shoe	24#	J-55	8rd	A	293.12 0.9
CASING INV	/ENTORY B	<u>Ι</u>	FEET	JTS	TOTALLEN	ICTH OF ST	<u> </u>	1 7	
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PLUS FULL	**	<del></del>	0.00		7	PLUS DATUM TO T/CUT OFF CSG CASING SET DEPTH			
	TOTAL		293.12	1	1			L	304.97
	6. DEL. (W/O	THRDS)	293.12		- │	RE			
TIMING			1ST STAGE		7,				
BEGIN RUN	CSG.		6:00pm		GOOD CIR	C THRU JO	В	ves	
CSG. IN HO	LE		7:00pm				RFACE		
BEGIN CIRC			7:10pm		7		FOR		FT STROKE
BEGIN PUM	IP CMT		10:00pm		DID BACK	PRES. VAL\	/E HOLD ?		_
BEGIN DSP	L. CMT		10:30pm		BUMPED F	LUG TO	24	5	PSI
PLUG DOW	/N		10:45pm			-			
CEMENT U	SED			CEMENT CO	MPANY-	BJ	<del>-</del>		
STAGE	# SX			CEMENT TY	PE & ADDITI	VES			
1	155	Class "G" v	v/ 2% CaCL2 +	1/4#/sk Cello	Flake mixed	@ 15.8 ppg	1.17 cf/sk yie	eld	
CENTRALIZ	ZED & SCRA	TCHER PLA	CEMENT		···	SHOW MA	KE & SPACI	NG	. 50
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L									

DATE <u>09/21/2000</u>

Pat Wisener

COMPANY REPRESENTATIVE

FORM 3160-5 (June 1990)

#### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

5.	Lease	Designation	and	Serial	No.
	SITIL	AACEEA			

SUNDRY NOTICES AND REPO	RTS ON WELLS	UTU-096550
Do not use this form for proposals to drill of	or to deepen or reentry a different reservoir.	6. If Indian, Allottee or Tribe Name
Use "APPLICATION FOR I	PERMIT" for such proposals	NA
		7. If Unit or CA, Agreement Designation
SUBMIT IN TR	IPLICATE	Jonah Unit
1. Type of Well		8. Well Name and No.
Oil Gas		
X Well Well Other		Jonah Federal 1-11-9-16  9. API Well No.
		43-013-32157
2. Name of Operator  Inland Production Compan	N.	10. Field and Pool, or Exploratory Area
3. Address and Telephone No.	Monument Butte	
	1yton, Utah 84052 435-646-3721	11. County or Parish, State
4. Location of Well (Footage, Sec., T., R., m., or Surve		
660' FNL & 660' FEL NE/NE Section 1, T9S, R16E		Duchesne County, Utah
11		
12. CHECK APPROPRIATE BOX(s) TO INDICATE	NATURE OF NOTICE, REPORT, OR OTHER DA	TA
TYPE OF SUBMISSION	TYPE OF ACTION	
	l —	П ст
Notice of Intent	Abandonment	Change of Plans
	Recompletion	New Construction
X Subsequent Report	Plugging Back	Non-Routine Fracturing Water Shut-Off
Final Abandonment Notice	Casing Repair Altering Casing	Conversion to Injection
Thiai Abandonment Notice	X Other Status report	Dispose Water
	A office office of the office	(Note: Report results of multiple completion on Well
		Completion or Recompletion Report and Log form.)
proposed work. If well is directionally drilled, give so this work.)*  Status report for Subject well had completion procedures initiated on a was released & well began flowing. Flowing to produce the state of the	time period 2/12/ 2/12/01. A total of two Green River intervals were pe	/01 through 2/18/01. erforated and hydraulically fractured. Bridge plug
	MATERIAL STATE OF THE STATE OF	
14. I hereby certify that the foregoing is true and form	ect	
Signed Many Sul	Title Completion Foreman	Date 19-Feb-01
Gary Dietz		
(This space for Federal or State office use)	Title	Date
Approved by Conditions of approval, if any:	Title	Date
Conditions of approval, if any:  CC: Utah DOGM		
OC. CIGIT DOCIVI		
Title 18 U.S.C. Section 1001, makes it a crime for any	person knowingly and willfully to make to any depa	artment or agency of the United States any
false, fictitious or fraudulent statements or representa	tions as to any matter within its jurisdiction.	

\*See Instruction on Reverse Side

FORM 3160-5

# NITED STATES

FORM APPROVED
Budget Bureau No. 1004-0135
E-mines March 21 1002

(June 1990)		T OF THE INTERIOR AND MANAGEMENT	Budget Bureau No. 1004-0135 Expires: March 31, 1993
SUN	DRY NOTICES AND	REPORTS ON WELLS	5. Lease Designation and Serial No.  UTU-096550
	proposals to drill or to deep	en or reentry a different reservoir.  R PERMIT -" for such proposals	6. If Indian, Allottee or Tribe Name  NA
	SUBMIT IN	TRIPLICATE	7. If Unit or CA, Agreement Designation  Jonah Unit
1. Type of Well  X Oil Well	Gas Well Other		8. Well Name and No.  Jonah Fed. 1-11-9-16  9. API Well No.
2. Name of Operator INLAND PRODU	CTION COMPANY		43-013-32157  10. Field and Pool, or Exploratory Area
	Myton, Utah 84052 43	35-646-3721	MONUMENT BUTTE  11. County or Parish, State
660" FNL & 66			Duchesne County, UTAH
	K APPROPRIATE BOX(s) UBMISSION	TO INDICATE NATURE OF NOTICE, REPOR TYPE OF	T, OR OTHER DATA ACTION
13 Describe Proposed or Completed ally drilled, give subsurface lo  Spud well @ 1: Choke Manifold by phone. Drill	Weekly status report of the control	Abandonment Recompletion Plugging Back Casing Repair Altering Casing Weekly Status  And give pertinent dates, including estimated date of starting any proposed for all markers and zones pertinent to this work.)*  Port for the period of 9/24/00 thru 10/0 RU Union Rig #14 on 9/26/00. Nipple est 85/8" CSGN. to 1,500 psi. Vernal Date and adepth of 3807'. TOH with drill street based mud to a depth of 4550.'	01/00. up BOP's. Test BOP's, Kelly, vistrict BLM & State was notifed
14. I hereby certify that the fore	going is frue and correct  10, Serve	Title Drilling Foreman	Date 10/02/2000

(This space for Federal or State office use) Date Title Approved by Conditions of approval, if any: CC: UTAH DOGM



A Subsidiary of Inland Refrectionary 26, 2001

State of Utah
Division of Oil, Gas & Mining
Attn: Carol Daniels
1594 West North Temple-Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

## RECEIVED

FEB 2 7 2001

DIVISION OF OIL, GAS AND MINING

Dear Carol;

Please find enclosed Form 3160-5; weekly status report for the Jonah Federal 1-11-9-16. If you have any questions please call me at 435-823-4211 (CELL) or 435-646-3721 (OFFICE) any time.

Gary Dietz

Completion Foreman

**Enclosures** 

gd

FORM 3160-5 (June 1990)	UNITE DEPARTMENT	D STATES OF THE INTI	ERIOR			eau No. 1004-01	35
	BUREAU OF	LAND MANA	GEMENT	5. L		larch 31, 1993 ation and Serial N	lo.
	RY NOTICES AND REPO			U	TU-096550	0	
Do not use this	form for proposals to drill o Jse "APPLICATION FOR F	r to deepen or PERMIT" for	reentry a different reser such proposals	voir. 6. If	Indian, Alloi NA	ttee or Tribe Nam	ie
	SUBMIT IN TRI	PLICATE		7. 1	Unit or CA, Jonah Unit	, Agreement Desi t	gnation
1. Type of Well				0.11	. 11.3.7	127	
1	Gas Well Other				'ell Name an onah Fede	d No. e <b>ral 1-11-9-16</b>	
					PI Well No.		
2. Name of Operator	Inland Production Company	,			3-013-3216	l, or Exploratory	Area
3. Address and Telephone					onument E		
CIVIII (C	Route #3 Box 3630 M		52 435-646-3721	11. C	County or Par	ish, State	
	tage, Sec., T., R., m., or Surve NE/NE Section 1 T9S, R16E	y Description)		٥	uchesne (	County, Utah	
12. CHECK APPROPRI	ATE BOX(s) TO INDICATE  IBMISSION	NATURE OF 1	NOTICE, REPORT, OR O	THER DATA			
	Notice of Intent	Aband	lonment		Change of	f Plans	
			npletion	ļ.	New Cons		
LX	Subsequent Report		ing Back g Repair	-	Non-Rout Water Shu	ine Fracturing ut-Off	
	Final Abandonment Notice	Alteri	ng Casing			on to Injection	
		X Other	Status report		Dispose V		*** **
						f multiple completion pletion Report and Log	
proposed work. If well is	Completed Operations (Clea s directionally drilled, give su			inent dates, includ	ng estimated	date of starting a	any
this work.)* Status repo	ort for	time	period	2/19/01	the	ough	2/25/01.
Subject well had complet	tion procedures initiated on 2 an flowing. Flow died off. Pro	/12/01. A total of	of two Green River interva	als were perforated	and hydraul	lically fractured.	
					R	RECE	IVEC
•						FEB 27	
					Ol	DIVISIO L, GAS AN	
14 Thereby 2016, About 6		at .					
	he foregoing is true and corre	Title	Completion Forem	ian	_Date _	26-Feb-(	01
(This space for Feder	ral or State office use)	Title			Date		
Conditions of approv	val, if any:	I me			_Date _		
Title 18 U.S.C. Section 1	001, makes it a crime for any lent statements or representati				or agency of	the United States	any

\*See Instruction on Reverse Side



March 9, 2001

State of Utah, Division of Oil, Gas and Mining Attn: Ms. Carol Daneils P.O. Box 145801 Salt Lake City, Utah 84144-5801

Attn: Ms. Carol Daneils

Re: Jonah Federal 1-11-9-16

NENE Sec.11, T9S, R16E

Duchesne, UT

Dear Ms. Carol Daneils

Enclosed is a Well Completion or Recompletion Report and Log form (Form 3160-4). We are no longer sending Log copies since Dave Jull of Phoenix Surveys is already doing so.

If you should have any questions, please contact me at (303) 893-0102 ext. 1441

Sincerely,

Cyndee Miller

**Operations Secretary** 

lyntee Taller

**Enclosures** 

CC:

Bureau of Land Management

Vernal District Office, Division of Minerals

Attn: Edwin I. Forsman 170 South 500 East Vernal, Utah 84078

Well File – Denver Well File – Roosevelt Patsy Barreau/Denver Bob Jewett/Denver



DEVENOR OF OR CAS AND EXMING

(July 1992)

structions ons reverse side)

SUBMIT IN DUPLICATE\* FORM APPROVED
(See other in- OMB NO. 1004-013 OMB NO. 1004-0137

Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.

#### LITLI OGGEGO

			BUR	EAU	Jr LAN	D MIN	MAGEIM	EINI					010-	090000
WELL	CON	ИPL	ETION	IOR	RECO	MPL	ETION	REPORT	Α	ND LOG	*	6. IF INDIAN	, ALLOTTE	E OR TRIBE NAME
la. TYPE OF WOR											· · · · · ·	7 IDUT ACT	REEMENT NA	A A G
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1b. TYPE OF WEL	L											8 EADM OR	TEACE NAM	Æ, WELL NO.
NEW 🗸	WORK		DEEPEN		PLUG		DIFF					ļ · _		
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2. NAME OF OPERATO	OR				D DE00		250 110					9. API WELI		
3. ADDRESS AND TEL	EDUONE	NO		NLAN	D KESC	JURC	CES INC.					10, FIELD AN		3-32157
S. ADDRESS AND TEL	LEPHONE	NO.	410 17 <del>1</del>	h St S	Suite 700	n De	nver, CC	80202				I .		ENT BUTTE
4. LOCATION OF W	VELL (Re	port lo										<del></del>		OCK AND SURVEY
At Surface	(	,		,		, .						OR AREA		
		(	660' FNL	. & 660	)' FEL (I	NE N	E) SECT	ION 11 - 9S	- 1	6E		SE	C. 11 -	T9S - R16E
At top prod. Interval:	reported b	elow			•		·							
••	•													
At total depth					14. PERMI	T NO.		DATE ISSUE	Ð			12. COUNTY	OR PARISH	13. STATE
					43	3-013-	-32157		06	/06/00		DUC	HESNE	UT
	16. DATE			17. D	ATE COMPL			18. ELEVATIONS			TC.)*			19. ELEV. CASINGHEAD
09/18/00	<u> </u>		02/00			2/21/0	00	552	3'	GR		5533' KI	В	5510'
20. TOTAL DEPTH, MI	1 ^ .		21. PLUG BAG	CK T.D., M	D& TVD I Pat G		22. IF MULTIPI		23	3. INTERVALS	ROT	ARY TOOLS	1	CABLE TOOLS
5600	/ Pat	-	5.5	-48	mest		HOW MAN	Y*		DRILLED BY		Х		
4. PRODUCING INTE	DVALO	OF THE	IS COLOR ETT	· · ·			AND TIME		i_		. j			25. WAS DIRECTIONAL
4. PRODUCING INTE.	KVAL(S),	OF IRI	15 COMPLETIC	JN10P, I	BUITUM, NA	IME (ML	AND IVD)*							SURVEY MADE
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29.	r			ER RECO		· · · · · ·			30			TUBING RE		
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(GB4 sds					.38		24	416			VV/ 03	3,023# 20	J/40 Sus	טוטוו פועע דידיט וווי
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3,*	5) 423	2-42	.~~		.30				2	14 )	VV/40	5,000# ZC	140 Sus	III 425 DDIS IIUIG
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s. LIST OF ATTACHM Logs In Item #	~	-				•								MINING
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77					*/00-1		/5	See Additional Dat		0:4				

Title 18 U.S.C. Section 1807, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**UNITED STATES** 

**DEPARTMENT OF THE INTERIOR** 

	)P	TRUE VERT. DEPTH	
<b>LARKERS</b>	TOP	MEAS, DEPTH	3698 4026 4277 4544 4578 4698 4949 5071 5600
38. GEOLOGIC MARKERS		NAME	Garden Gulch Mkr Garden Gulch 2 Point 3 Mkr X Mkr Y-Mkr Douglas Creek Mkr BiCarbonate Mkr Castle Peak Basal Carbonate Total Depth (LOGGERS)
drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):	DESCRIPTION, CONTENTS, ETC.		JONAH 1-11-9-16
used, time tool open, flo	BOTTOM		
terval tested, cushion	TOP		
drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):	FORMATION		

ì



August 6, 2001

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas and Mining
Post Office Box 145801
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well

Jonah Federal #1-11-9-16

Monument Butte Field, Jonah Unit, Lease #UTU-096550

Section 11-Township 9S-Range 16E

Duchesne County, Utah

Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the Jonah Federal #1-11-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Jonah Unit.

I hope you find this application complete; however, if you have any questions or require additional information, please contact George Rooney at (303) 893-0102.

41C-277.1

# INLAND PRODUCTION COMPANY APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL

JONAH FEDERAL #1-11-9-16

MONUMENT BUTTE FIELD (GREEN RIVER) FIELD

**JONAH UNIT** 

LEASE #UTU-096550

**AUGUST 6, 2001** 

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WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

**ATTACHMENT H-1** 

STATE OF UTAH DIVISION OF OIL, GAS AND MINING

**OPERATOR** 

**ADDRESS** 

#### **APPLICATION FOR INJECTION WELL - UIC FORM 1**

Inland Production Company 410 17th Street, Suite 700

Denver, Colorado 80202

Well Name and number:	Jonah Federal #1-11-9-16								
Field or Unit name:	Monument Butte (Green River)		Jonah Unit		Lease No.	UTU-096550			
Well Location: QQ NE/NE	_ section	11	_ township	9S	_range	16E	county	Duchesn	
Is this application for expansion o	f an existing	project? .			Yes [X]	No [ ]			
Will the proposed well be used fo	Disposal?	Recovery?		Yes[]	No [ X ]				
Is this application for a new well to If this application is for an existing					Yes[]	No [ X ]			
has a casing test been performed Date of test:  API number: 43-013-32157	ed on the we	ell? -			Yes[]	No [ X ]			

I certify that this report is true and complete to the best of my knowledge.

rate

IMPORTANT:

Proposed injection zone contains [x ] oil, [ ] gas, and/or [ ] fresh water within 1/2

Name: Title W. T. War

Proposed maximum injection:

List of Attachments:

Signature

Phone No.

Vice President (303) 893-0102

Date

500 bpd pressure

accompany this form.

Attachments "A" through "H-1"

(State use only)

mile of the well.

Application approved by

Title

1839

Additional information as required by R615-5-2 should

Approval Date

Comments:

#### Jonah Federal #1-11-9-16

Spud Date: 9/18/00 Put on Production: 2/16/01 GL: 5573' KB: 5583'

Proposed Injection Wellbore Diagram Initial Production: 187 BOPD, 208 MCFD, 14 BWPD

#### SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (298.67') DEPTH LANDED: 305' HOLE SIZE: 12-1/4"

CEMENT DATA: 155 sxs Class "G" cmt

#### FRAC JOB

1/15/01 4724'-4756'

Frac D1 sand as follows:

89,625# 20/40 sand in 644 bbls Viking I-25 fluid. Perfs broke back @ 3010 psi. Treated @ avg press of 1900 psi w/ avg rate of 30.1 BPM. ISIP - 2390 psi. Left pressure on well.

1/15/01 4168'-4244' Frac GB sand as follows:

48,000# 20/40 sand in 425 bbls Viking I-25 fluid. Perfs broke back @ 1850 psi @ 3.5 BPM. Treated @ avg press of 1870 psi w/avg rate of 30.3 BPM. ISIP 1865 psi. Started flowback immediately on 12/64" choke @ 1 BPM. Flowed 3-3/4 hrs & died. Rec. 163 BTF.

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5#

LENGTH: 132 jts. (5588.12') DEPTH LANDED: 5584' HOLE SIZE: 7-7/8"

NO. OF JOINTS: 148 jts TUBING ANCHOR: 4711' SEATING NIPPLE: 2-3/8" (1.10') TOTAL STRING LENGTH: EOT @ 4813'

# CEMENT DATA: 275 sx Prem. Lite II mixed & 400 sx 50/50 POZ. TUBING SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# SN LANDED AT: 4747' Packer @ 4135' 4168'-4174' £ 4232'-4244' **\$**4724'-4738' 4747'-4756'

#### PERFORATION RECORD

SN @ 4747' EOT @ 4813'

TD @ 5633'

4724'-4738'	4 JSPF	56 holes
4747'-4756'	4 JSPF	36 holes
4168'-4174'	4 JSPF	24 holes
4232'-4244'	4 JSPF	48 holes
	4747'-4756' 4168'-4174'	4747'-4756' 4 JSPF 4168'-4174' 4 JSPF



#### Inland Resources Inc.

#### Jonah Federal #1-11-9-16

660 FNL, 660 FEL

NE/NE Section 11-T9S-R16E

Duchesne Co, Utah

API #43-013-32157; Lease #UTU-096550

#### WORK PROCEDURE FOR INJECTION CONVERSION

- 1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
- 2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
- 3. Test casing and packer.
- 4. Rig down and move out.

## REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS RULE R615-5-1

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:
  - 2.1 The name and address of the operator of the project.

Inland Production Company 410 17<sup>th</sup> Street, Suite 700 Denver, Colorado 80202

A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Jonah Fed #1-11-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Jonah Unit.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Green River Formation. In the Jonah Fed #1-11-9-16 well, the proposed injection zone is from 3698'- 5071'. The confining strata directly above and below the injection zones are the Garden Gulch and Basal Limestone members of the Green River Formation, with the tops at 3698' and 5071', respectively.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Jonah Fed #1-11-9-16 is on file with the Utah Division of Oil, Gas and Mining.

2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.

See Attachment B.

2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.

See Attachment C.

2.10 Any additional information the Board may determine is necessary to adequately review the petition.

Inland Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.

This proposed injection well is on a Federal lease (Lease #UTU-96550) in the Monument Butte (Green River) Field, Jonah Unit, and this request is for administrative approval.

# REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL, STORAGE AND ENHANCED RECOVERY WELLS SECTION V - RULE R615-5-2

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:
  - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.

See Attachments A and B.

2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.

All logs are on file with the Utah Division of Oil, Gas and Mining.

2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.

The casing program is 8-5/8", 24#, J-55 surface casing run to 305' GL, and 5-1/2" 15.5# J-55 casing run from surface to 5584' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.

See Attachment F.

#### The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1839 psig.

2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The minimum fracture gradient for the Jonah Fed #1-11-9-16, for existing perforated zones (4168' - 4756') calculates at 0.88 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1839 psig. We propose to add additional perforations between the Garden Gulch and Basal Limestone formations (between 3698' and 5071'). See Attachment G through G-1.

2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Jonah Fed #1-11-9-16, the injection zone (3698' - 5071') is in the Douglas Creek member of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The Douglas Creek member is composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Field. Outside the Monument Butte Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-11.

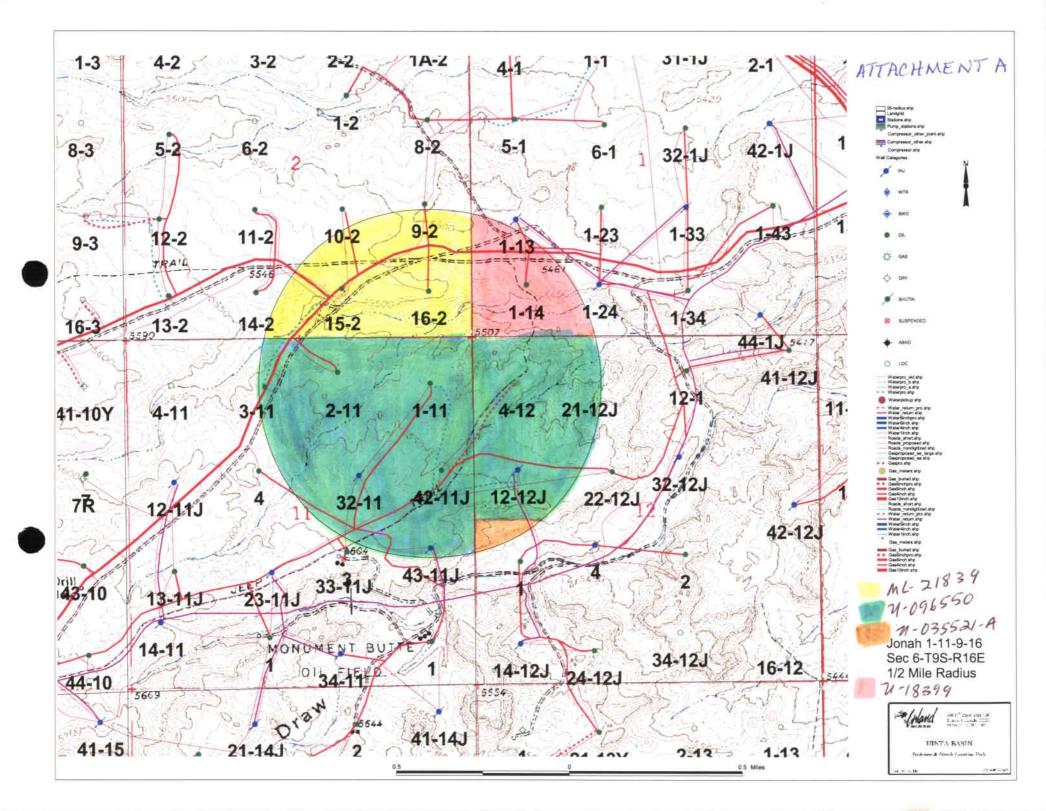
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.

Inland Production Company will supply any requested information to the Board or Division.



## T9S, R16E, S.L.B.&M.

S89'56'W - 79.80 (G.L.O.)

## 2625.71' (Measured) N89'27'09"W - 2641.52' (Meas.) S89'56'W (G.L.O.) Basis of Bearings Brass Cap 1910 Brass Cap 1910 Brass Cap 1910 660.0 (COMP. DRILĹING WINDOW WELL LOCATION: JONAH UNIT #1-11 ELEV. UNGRADED GROUND = 5523.0' NO.01'W (G.L.O.) NOTE: The Well Location Bears S45'15'12"W - 928.8' from the Northeast Corner of Section 11.

\$89\*59'W - 79.78 (G.L.O.)

= SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

### INLAND PRODUCTION COMPANY

WELL LOCATION, JONAH UNIT #1-11, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 11, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



#### ATTACHMENT A-1

NO'01'W (G.L.O.)

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES MADE BY ME OR UNDER THE SAME ARE TRUE AND CORRECT TO MY KNOWLEDGE AND

> REGISTRA STATE OF

## TRI STATE LAND SURPEYING

38 WEST 100 NORTH - VERNAL, UTAH 84078 (435) 781-2501

SURVEYED BY: C.D.S. SCALE: 1" = 1000'DATE: 4/18/00 WEATHER: FAIR FILE # NOTES:

# ATTACHMENT B PAGE 1 of 2

<u>#</u>	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	Township 9 South, Range 16 East Section 2: All	ML-21839 HBP	Inland Production Company Key Production Co. Inc.	(Surface Rights) STATE
2	Township 9 South, Range 16 East Section 11: E/2, NW/4, NE/4SW/4 Section 12: NW/4 Section 14: N/2NE/4, SE/4NE/4, NE/4SE/	U-096550 HBP	Inland Production Company	(Surface Rights) USA
3	Township 9 South, Range 16 East Section 12: SW/4	НВР	Inland Production Company Thomas J. Lambert Larry Simpson Vaughey & Vaughey Montana & Wyoming Oil Co. John R. Warne Bonnie B. Warne Carl B. Field Carol J. Bibler Leslie J. Beaux	(Surface Rights)

# ATTACHMENT B PAGE 2 of 2

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
4	Township 9 South, Range 16 East Section 1: SW/4	UTU-18399 HBP	Inland Production Company	(Surface Rights) USA

## ATTACHMENT C

# CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well Jonah Fed #1-11-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

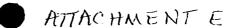
Signed: // / / / / / / / Inland Production Company

W. T. War Vice President

Sworn to and subscribed before me this 6th day of Glagues, 2001.

Notary Public in and for the State of Colorado: (\_\_\_\_\_) (2001)

My Commission Expires: 07 -18 - 05



# Jonah Federal #1-11-9-16

Spud Date: 9/18/00 Put on Production: 2/16/01 GL: 5573' KB: 5583'

SURFACE CASING

DEPTH LANDED: 305'

HOLE SIZE: 12-1/4"

CSG SIZE: 8-5/8" GRADE: J-55

WEIGHT: 24# LENGTH: 7 jts. (298.67') Wellbore Diagram

Initial Production: 187 BOPD, 208 MCFD, 14 BWPD

#### FRAC JOB

1/15/01 4724'-4756'

Frac D1 sand as follows: 89,625# 20/40 sand in 644 bbls Viking I-25 fluid. Perfs broke back @ 3010 psi. Treated @ avg press of 1900 psi w/ avg rate of 30.1 BPM. ISIP - 2390 psi. Left

pressure on well.

1/15/01 4168'-4244'

Frac GB sand as follows: 48,000# 20/40 sand in 425 bbls Viking I-25 fluid. Perfs broke back @ 1850 psi @ 3.5 BPM. Treated @ avg press of 1870 psi w/avg rate of 30.3 BPM. ISIP 1865 psi. Started flowback immediately on 12/64" choke @ 1 BPM. Flowed 3-3/4 hrs & died. Rec. 163 BTF.

# PRODUCTION CASING

CEMENT DATA: 155 sxs Class "G" cmt

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5#

LENGTH: 132 jts. (5588.12') DEPTH LANDED: 5584' HOLE SIZE: 7-7/8"

CEMENT DATA: 275 sx Prem. Lite II mixed & 400 sx 50/50 POZ.

# TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 148 jts TUBING ANCHOR: 4711' SEATING NIPPLE: 2-3/8" (1.10') TOTAL STRING LENGTH: EOT @ 4813'

SN LANDED AT: 4747'

# SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM

SUCKER RODS: 4-1-1/2" weight bars, 85 -3/4" plain rods, 100 - 3/4" scrapered rods, 1-3/4" x 6'; 1-3/4" x 4' pony rods.

PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC

STROKE LENGTH: ?

PUMP SPEED, SPM: ?

LOGS:Dual Lateralog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

# PERFORATION RECORD

4168'-4174'

4232'-4244'

TA @ 4711'

4724'-4738' 4747'-4756'

SN @ 4747' EOT @ 4813' TD @ 5633'

1/15/01	4724'-4738'	4 JSPF	56 holes
1/15/01	4747'-4756'	4 JSPF	36 holes
1/15/01	4168'-4174'	4 JSPF	24 holes
1/15/01	4232'-4244'	4 JSPF	48 holes



# Inland Resources Inc.

## Jonah Federal #1-11-9-16

660 FNL, 660 FEL

NE/NE Section 11-T9S-R16E

Duchesne Co, Utah

API #43-013-32157; Lease #UTU-096550

# Jonah Federal #2-11-9-16

Spud Date: 9/13/00 Put on Production: 11/06/00 GL: 5546' KB: 5556'

SURFACE CASING

LENGTH: 7 jts. (286.55')

DEPTH LANDED: 2931

**PRODUCTION CASING** 

CSG SIZE: 5-1/2'

GRADE: J-55 WEIGHT: 15.5# LENGTH: 132 jts. (5599.54') DEPTH LANDED: 5595.54' HOLE SIZE: 7-7/8"

CEMENT DATA: 155 sxs Class "G" cmt

HOLE SIZE: 12-1/4"

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

Wellbore Diagram

Initial Production: 104 BOPD, 103 MCFD, 5 BWPD

# FRAC JOB

4736'-4741'

5027'-5032'

TA @ 5332'

5360'-5369

SN @ 5366' EOT @ 5430'

TD @ 5621' PBTD: 5552' 11/01/00 5360'-5369'

Frac LoDC sand as follows:

45,000# 20/40 sand in 346 bbls Viking I-25 fluid. Treated @ avg press of 2500 psi w/ avg rate of 25 BPM. ISIP - 2640 psi; 5 min 2520 psi. Left pressure on well.

11/01/00 5027'-5032'

Frac B2 sand as follows:

25,800# 20/40 sand in 227 bbls Viking I-25 fluid. Perfs broke back @ 3900 psi. Treated @ avg press of 2400 psi w/avg rate of 25 BPM. ISIP 2000 psi; 5 min 1890 psi. Left pressure on well.

11/01/00 4736'-4741'

Frac D1 sand as follows:

28,120# 20/40 sand in 288 bbls Viking I-25 fluid. Perfs broke back @ 4250 psi. Treated @ avg press of 2200 psi w/avg rate of 25.5 BPM. ISIP 2200 psi. Start immediate flowback on 12/64" choke @ 1 BPM. Flowed 2-1/2 hrs & died. Rec. 93 BTF.

# TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

CEMENT DATA: 275 sx Prem. Lite II mixed & 400 sx 50/50 POZ.

TUBING ANCHOR: 5332'
SEATING NIPPLE: 2-3/8" (1.10')

TOTAL STRING LENGTH: EOT @ 5430.36'

SN LANDED AT: 5366'

NO. OF JOINTS: 174 jts

# SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM

SUCKER RODS: 4 1-1/2" weight rods, 10 -3/4" plain rods, 110 - 3/4" scrapered rods, 25 3/4" guide rods, and 1-3/4" x 6'; 1-3/4" x 8' pony rods.

PUMP SIZE: 2-1/2" x 1-1/2" x 12 x 16' RHAC

STROKE LENGTH: 50"

PUMP SPEED, SPM: 8.25 SPM

LOGS:Dual Lateralog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

# PERFORATION RECORD

 11/01/00
 5360'-5269'
 4 JSPF
 36 holes

 11/01/00
 5027'-5032'
 4 JSPF
 20 holes

 11/01/00
 4736'-4741'
 4 JSPF
 20 holes



# Inland Resources Inc.

# Jonah Federal #2-11-9-16

492 FNL, 2075 FWL

NW/NE Section 11-T9S-R16E

Duchesne Co, Utah

API #43-013-32158; Lease #UTU-096550

# Jonah Federal #3-11-9-16

Spud Date: 9/13/2000 Put on Production: 10/31/2000 GL: 5573' KB: 5583'

Wellbore Diagram

Initial Production: 256 BOPD, 160 MCFD, 72 BWPD

> Frac LODC sand as follows: 48,104# 20/40 sand in 327 bbls Viking 1-

Frac A1 sand as follows: 2000 gals of Viking 1-25 pad, 55,500 lbs

25 Fluid. Perfs brk back @ 3277 psi.

Treated @ avg press of 3480 psi w/ avg rate of 27 BPM. ISIP - 3700 psi. Flow back @ 1 BPM for 1 hr & died. Rec. 37

BTF. RD BJ. Rig broke down; rep. rig.

white 20/40 sand in 9599 gals Viking 1-25 fluid. 5082 gals flush. Started flowback immediately @ 1 BPM. Flowed 106 bbls. Became stuck - recovered fish. Avg press 1750 psi; avg rate 27 BPM. ISIP 2080 psi. Pumped 397 bbls total Frac B/C sand as follows:

93,138# 20/40 sand in 563 bbls Viking I-25 fluid. Perfs broke down @ 2177 psi.

Treated @ avg rate of 28.9 BPM w/avg press of 1845 psi. ISIP: 2213 psi, 5-min:

2164 psi. Left pressure on well. RD BJ.

3500 gals Viking pad, 80,580# 20/40 sand in 515 bbls Viking I-25 fluid. Perfs

Estimate 1151 BWTR

Frac D sand as follows:

8 holes

8 holes

FRAC JOB

10/20/00 5376'-5404'

10/23/00 5175'-5186'

10/24/00 4905'-5048'

10/25/00 4758'-4858'

#### SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 8 jts. (30.71") DEPTH LANDED: 310' HOLE SIZE:12-1/4"

CEMENT DATA: 155 sxs Class "G" cmt,

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5#

LENGTH: 131 jts. (5612.72') DEPTH LANDED: 5609 HOLE SIZE: 7-7/8"

CEMENT DATA: 275 sx Prem. Lite II mixed & 425 sx 50/50 POZ.

#### TUBING

SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 176 jts TUBING ANCHOR: 5341' SEATING NIPPLE: 2-3/8" (1.10') TOTAL STRING LENGTH: EOT @ 5471' SN LANDED AT: 5406'

# SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM

SUCKER RODS: 4-1-1/2" weight bars, 10 -3/4" scrapered rods, 112 - 3/4" plain rods, 88 - 3/4" scrapered rods, 4 2-3/4" x 4'; 1-3/4" x 6'; 1-3/4" x 8' pony rods.

PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 16" RHAC

STROKE LENGTH: 74"

PUMP SPEED, SPM: 5

LOGS:Dual Lateralog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

#### broke down @ 3261 psi. Avg. press 2100 psi @ avg rate of 31.4 BPM. ISIP 2270 psi. RD BJ. Start immed flowback on 12/64" choke @ 1 BPM. Flowed 486 BTF in 8-1/2 hrs. Turned flow to production tanks. PERFORATION RECORD 4758'-97' 10/19/00 5376'-5382' 4 JSPF 24 holes 4844'-58' 10/19/00 5398'-5404' 4 JSPF 24 holes 10/21/00 5175'-5186' 4 JSPF 44 holes 4905'-17 10/24/00 4844'-4849' 4 JSPF 5033'-48' 10/24/00 4856'-4858' 4 JSPF 4793'-4797' 10/24/00 4 JSPF 16 holes 5175'-86' 10/24/00 4758'-4767' 4 JSPF 36 holes 10/24/00 5033'-5048' 60 holes 10/24/00 4905'-4908' 4 JSPF 12 holes Anchor @ 5341' 10/24/00 4915'-4917' 4 JSPF 5376'-404' SN @ 5406' EOT @ 5471' PBTD @ 5564'

TD @ 5633'



# Inland Resources Inc.

Jonah Federal #3-11-9-16

706 FNL 2094 FWL

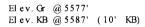
NENW Section 11-T9S-R16E

Duchesne Co. Utah

API #43-013-32159; Lease #UTU-096550

# Balcron Monument Federal #32-11j

Wellbore Diagram



#### SURFACE CASING

8 5/8", J-55, 24 #
Length @ 267.54'
Hole Size @ 12 1/4"
pth Landed @ 275' KB
Cemented w 150 sxs premium
w 2% CCL & 1/4 # per sx Flocele.
Good returns to surface.

#### PRODUCTI ON CASI NG

5 1/2", J-55, 15.5# Length @ 5765.96' Hole Size @ 7 7/8" Landed @ 5774.96' KB Cemented w 231 sxs Hilift & tail w 351 sxs Class-G. TOC @ 1420' from CBL

#### 31 NG/ I NI ECTI ON STRI NG

ig Depth 10'KB)
3.73
4.83
5.43
1.63
1.63

Injection Packers Set 10-14-94 By Mn States.

2 7/8" SN ID @ 2.25". Arrow Set-1 Pkr set w 16" Tension. Packer fluid - 55 gals Champion Cortron #23-83 w 60 STBW

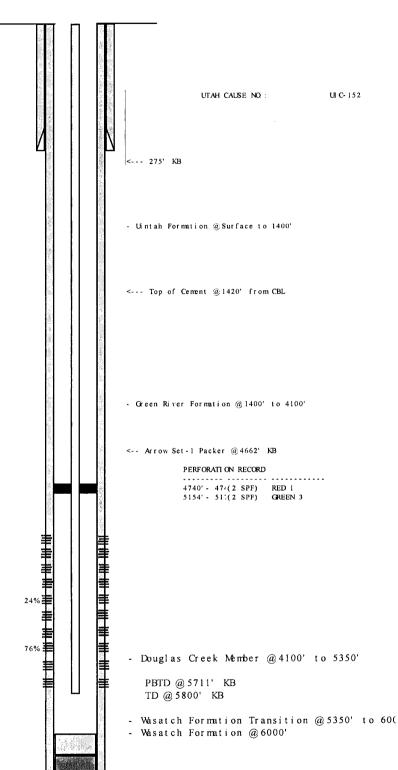
Injection Horizons

4740' - 4744' (4') RED 1 5154' - 5170' (16') GREEN 3

Tracer Survey ran 12-27-94.

# Inland Resources Inc.

BALCRON MONUMENT FEDERAL #32-11J SW NE Section 11, T9S, R16E 2059' FNL & 1763' FEL Lease No. U-096550 Jonah Unit/Monument Butte Field Duchesne County, Utah



# Balcron Monument Federal #42-11j

# Wellbore Diagram

140' KB --->

TOC @ 1825' --

Elev. GL @ 5554' Elev. KB @ 5564' (10' KB)

\*\* Re-entry of Walton Federal #6 \*\*

SURFACE CASING

8-5/8", 24#, J-55 | 1150 Hole Size @ 12-1/4" Depth Landed @ 140' KB Cemented w/ 105 sx

PRODUCTI ON CASI NG

5-1/2", 15.5#, J-55

Length @ 5261.75"

Hole Size @ 7-7/8"

Depth Landed @ 5270.75' KB

Cemented w 290 sx Super G w 3% CaCl, 2% gel. Tail w 180 sx 50/50 POZ w 2% gel & 1/4#/sx Celloseal.

TOC @ 1825' from CBL

TUBI NG

2-7/8", 6.5#, J-55
146 jts @ 4719.01'

TA @ 2-1/2" x 5-1/2" x 2.35'
13 jts @ 419.64'

SN @ 2-7/8" x 1.1' (2.25" ID)
MA @ 2-7/8" x 32.5'
Total string length @ 5188.72'

SN landed @ 5152.10' KB

SUCKER ROD RECORD

1 - 1-1/4" x 16' Polish Rod 1 - 3/4" x 6' Pony Rod 1 - 3/4" x 8' Pony Rod 205 - 3/4" x 25' D-61 Slick Rods

PUMP SI ZE: 2-1/2" x 1-1/2" x 16' RWAC
w PA plunger (#1062 Trico)

STROKE LENGTH 88"

PUMP SPEED, SPM 4

PUMPING UNIT SI ZE: C-228D-213-86
S/N: D51286M 377975

ENGINE: Ajax Model EA-30
S/N: 73287

TANKS: 12' x20', 400 Bbl (National)
S/N: #1 - T-5216801-04; #2 - T-5216801-05

Inland Resources Inc.

BALCRON MONUMENT FEDERAL #42-11J Jonah Unit/Monument Butte Field Lease No. U-096550 SENE Section 11, T9S, R16E Duchesne County, Utah ACI D/ BREAKDOWN 1 NFORMATI ON

5188' - 5196'

4736'-4741'
7-16-94 by Western w/13650 gal 2% KCL
ATR 8 BPM@4500 psi, max 25 BPM@4980
psi. ISIP 2831 psi. Pump 4 balls/bbl.
7-16-94 by Western w/2058 gal 2% KCL
ATR 6 BPM@3200 psi, max 6.7 BPM@5000
psi. ISIP 1730 psi. Pump 4 balls/bbl.

FRAC I NFORMATI ON

4736'-4741'
7-16-94: w 14, 100# 16/30 mesh sand w 9254 gal 2% KCl gelled wtr. ATR 25 BPM @ 4550 psi, max 30 BPM @ 4870 psi. 1SIP 1870 psi, 5 - 1640 psi, 10 - 1620 psi, 15 - 1590 psi. 30 min forced closure

at 0.4 BPM
7-16-94: w/14,860# 20/40 mesh sand &
11,600# 16/30 mesh sand w/12,182 gai
2% KCl gelled wtr. ATR 30 BPM @ 3000
psi, max 30.1 BPM @ 5050 psi. ISIP
4400 psi, 5 - 1750, 10 - 1680, 15 min
1660 psi. Screen out w/1660# sand

left in csg. SI 15 min.

PERFORATI ON RECORD

4736' - 4741' (5') (4 SPF) REDI 5188' - 5196' (8') (4 SPF) GREEN4

<--- SN Landed @ 5152.1'

PBTD @ 5223' KB TD @ 5300' KB

# Balcron Monument Federal #43-11j

Wellbore Diagram



\*\*Re-entry of Walton Federal #43-11\*\*

#### SURFACE CASING

8-5/8", 24#, J-55 Hole Size @ 12-1/4" Depth Landed @ 282' KB Cemented w 190 sx Class G w 2% CaCl & 1/4#/sx Flocele.

#### PRODUCTI ON CASI NG

5-1/2", 15.5#, J-55 Length @ 5243. 2' Hole Size @ 7-7/8" Depth Landed @ 5251.2' KB Cemented w/ 272 sx Super G w/3% salt, 2% gel, tail w/180 sx 50/50 POZ w/2% gel & 1/4#/sx Celoflakes. TOC @ 2040' from CBL

#### TUBL NG/ I NJ ECTI ON STRI NG

Injection Equipment & Size	Length FT.	Setting Deptl FT. (w/11' KB)
КВ	11,00	
1) 149 ints 2 7/8" tbg	4628, 30	4639.30
2) 2 7/8" SN (2.25" ID)	1, 10	4640, 40
3) 2 7/8"x 2 3/8" X-Over	0.60	4641.00
4) 5,5" Arrow Set - 1 Pkr	6.20	4647.20
End of Tubing		4647.20

Injection Packers Set 10-14-94 By Mn States.

2 7/8" SNID @ 2.25". Arrow Set-1 Pkr set w/ 16" Tension. Packer fluid - 55 gals Champion Cortron #23-83 w/60 STBW

#### Injection Horizons

4714' - 4718'	(4')	RED1
4854' - 4857'	(3')	RED5
4862' - 4869'	(7')	RED5
4998' - 5002'	(4')	GREENI
5184' - 5191'	(7')	GREEN4

Tracer Survey ran 12-28-94.

# Inland Resources Inc.

Balcron Monument Federal #43-1 NE SE Section 11, T9S, R16E 2127' FSL & 693' FEL Lease No. U-096550 Jonah Unit/Monument Butte Fiel ( Duchesne County, Utah

UTAH CAUSE NO.:

UI C- 152

<--- 282' KB

- Untah Formation @ Surface to 1400'

<-- Top of Cement @ 2040' from CBL

- Green River Formation @ 1400' to 4100'

<-- Arrow Set-1 Packer @ 4647' KB

#### PERFORATI ON RECORD

4714' - 4718'	(4')	(1	SPF)	REDI	
4854' - 4857'	(3')	(1	SPF)	RED5	
4862' - 4869'	(7')	(4	Shots)	RED5	
4998' - 5002'	(4')	(1	SPF)	GREENI	
5184' - 5191'	(7')	(1	SPF)	CREEN4	

- Douglas Creek Member @4100' to 5350'

PBTD @ 5221' KB

8%

11%

TD @ 5252' KB
- Wasatch Formation Transition @ 5350' to 6000'

- Wasatch Formation @,6000'

# Balcron Monument Federal #12-12j

Wellbore Diagram

25%

12%

63%

El ev. GR @ 5542' El ev. KB @ 5552' KB (10' KB)

#### SURFACE CASING

8-5/8", 24#, J-55
Length @ 266.69'
Depth Landed @ 277' KB
Cemented w 150 sxs Class "G" w/2%
CaCl, 1/4#/sx Celoflakes.
Cemented to surface.
Hole size @ 12-1/4".

#### PRODUCTI ON CASI NG

5-1/2", 15.5#, K-55 Length @ 5768.59' Depth Landed @ 5777.59' KB. Cemented w/220 sxs Hyfill and tailed w/290 sxs 50-50 POZ. Cement top @ 4,185' from CBL. Hole size 7-7/8".

# TUBI NG/ I NI ECTI ON STRI NG

Injection	Length	Scatting Depth
Equipment & Size	FT.	FT. (w/10° KB)
KB	10.00	1021 20
1) 159 jnts 2 7/8" tbg	4911. 20	4921. 20
2) 2 7/8" SN (2.25" 1D)	1. 10	4922. 30
3) 2 7/8"x 2 3/8" X-Over	0,60	4922, 90
4) 5.5" Arrow Set-1 Pkr	6,20	4929, 10
End of Tubing		4929.10

Injection Packers Set 10-8-94 By Mn States. Arrow Set-1 Pkr 5 1/2"x 2 3/8" 2 7/8" SN 1D @ 2. 25". Arrow Set-1 Pkr set w/ 16" Tension. Packer fluid - 55 gals Champion Cortron #23-83 w/60 STBW

# Injection Horizons

5029' - 5033' (4') GREEN 1 5225' - 5229' (4') GREEN 4 5237' - 5244' (7') GREEN 4

Tracer Survey ran 12-19-94.

# Inland Resources Inc.

Balcron Monument Federal #12-1: SW NW Section 12, T9S, R16E 737' FNL & 648' FWL Lease No. U-096550 Jonah Unit/Monument Butte Field Duchesne County, Utah



- 277' KB

Jintah Formation @ Surface to 1400'

Freen River Formation @1400' to 4100'

Top of Cement @4185' from CBL

Arrow Set - 1 Packer @ 4929' KB

#### PERFORATI ON RECORD

5029' - 5033' (4') 4 shots GREEN 1 5225' - 5229' (4') 4 shots GREEN 4 5237' - 5244' (7') 7 shots GREEN 4

- Douglas Creek Member @4100' to 5350'

PBTD @ 5732' KB TD @ 5800' KB

- Wasatch Formation Transition @ 5350' to
- Wasatch Formation (a) 6000'

Balcron Monument Federal #21-12J NE NW Section 12, T9S, R16E Lease No. U-096550 Jonah Unit / Monument Butte Field Duchesne County, Utah

# Wellbore Diagram

Balcron Oil 3-31-94 /mc

## SURFACE CASING

\_\_\_\_\_\_

8-5/8",24#,J-55
Six joints @ 270.4'.
Landed @ 278' GL.
Cemented w/150 sxs "G" w/2% CCL and
1/4 lb per sx celloflakes.
5 bbls back to pit.
Cemented to surface.
Hote size 12-1/4".

# PLUGGING PROCEDURE

Plug #1: 5088'KB - 4088'KB Cemented w/91 sxs "G" w/2% CACL2 and 1/4 lb per sx Celloseal.

Plug #2: 3133'KB - 2783'KB Cemented w/146 sxs "G" w/2% CACL2 and 1/4 lb per sx Celloseal.

Plug #3: 1768'KB - 1568'KB Cemented w/70 sxs "G" w/2% CACL2 and 1/4 lb per sx Celloseal.

Plug #4: 341'KB - 241'KB Cemented w/40 sxs "G" w/2% CACL2 and 1/4 lb per sx Celloseal.

Plug #5: Surface to 50'KB Cemented w/20 sxs "G" w/2% CACL2 and 1/4 lb per sx Celloseal. <-- Plug #5: 50'KB to Surface.

<-- 278'KB

<-- Plug #4: 341'KB to 241'KB

<-- Plug #3: 1768'KB to 1568'KB

<-- Plug #2: 3133'KB to 2783'KB

<-- Plug #1: 5088'KB to 4888'KB

TD @ 5800'KB.

# Monument Butte Federal #1-14

Put on Production: 12/24/82

GL: 5472' KB: 5488'

Spud Date: 11/17/82

## SURFACE CASING

STRING: 1
SIZE: 8 5/8"
GRADE: J-55
WEIGHT: 24 lbs
LENGTH: 8 jts @ 323'
HOLE SIZE: 12 1/4"
DEPTH LANDED: 339' KB
CEMENT DATA: 225 sx, Class G

## PRODUCTION CASING

STRING: 5 1/2" SIZE: GRADE: J-55 WEIGHT: LENGTH: 15.5 lbs 151 jts @ 5574' HOLE SIZE: 7 7/8' DEPTH LANDED: 5590' KB 325 sx, BJ Lite & CEMENT DATA: 500 sx. Class G CEMENT TOP AT: 1465' KB from CBL.

#### TUBING RECORD

SIZE/GRADE/WT. 2 7/8". J-55. 6.5 lbs NO. OF JOINTS: 135 jnts @ 4379' TUBING ANCHOR: 2 7/8" x 2.35' Baker 27 jnts @ 864' 2 7/8" x 1.1' (ID @ 2.25") NO. OF JOINTS: SEATING NIPPLE 2 7/8" x 3' PERF. SUB: MUD ANCHOR: 2 7/8" x 32.5' w/NC TOTAL STRING LENGTH: 5282' SN LANDED AT: 5262' KB Note: Set TA w/24" stretch.

#### SUCKER RODS

1 - 22' x 1 1/4" Polished Rod (SM End) 1 - 3/4" x 6' Pony 209 - 3/4" x 25' Rods

PUMP SIZE:

2 1/2" x 1 1/2" x 16' RWAC w/ringed PA plunger.

Trico Pump No.1029

STROKE LENGTH: 86"

PUMP SPEED: 4.5 SPM

PUMPING UNIT SIZE: Lufkin LM-228D-213-86T SN B129379A 525034

ENGINE SIZE: Ajax E-42, SN 51384

Wellbore Diagram

Initial Production: 162 STBOPD, 100 MCFD, 0 STBWPD

#### FRAC JOB

4485'- 4524', Frac w/Halliburton on 12/21/82. 28000 gal X-linked gel w/137000 lbs 20-40 mesh sand. Avg 35 BPM @ 2305 psig, max @ 2470 psig, ISIP @ 2140 psig, 5 min @ 2030 psig, 10 min @ 1960 psig, 15 min @ 1920 psig.

4772'- 4776', Frac w/Halliburton on 12/16/82. 10500 gal X-linked gel w/45000 lbs 20-40 mesh sand. Avg 25 BPM @ 2183 psig, max @ 2400 psig, ISIP @ 1950 psig, 5 min @ 1820 psig, 10 min @ 1750 psig, 15 min @ 1740 psig.

5250'- 5258', Frac w/Halliburton on 12/13/82. 19000 gal X-linked gel w/50000 lbs 20-40 mesh sand. Avg 20 BPM @ 1730 psig, max @ 1840 psig, 15 min S1 @ 1070 psig.

ACID JOB

TA @ 4379' 4485'-4491' 4514'-4524' 4772'-4776' 5250'-5258'

PBTD @ 5540' TD @ 6200'

# PERFORATION RECORD

4485'- 4491' (6') 1 SPF YELLOW4 4514'- 4524' (10') 1 SPF YELLOW5 4772'- 4776' (4') 4 SPF RED1 5250'- 5258' (8') 2 SPF GREEN4

# Inland Resources Inc.

Monument Butte Federal #1-14

820 FSL 820 FWL SWSW Section 1-T9S-R16E

Duchesne Co, Utah

API #43-013-310703; Lease #U-18399

# South Wells Draw State #15-2-9-16

Spud Date: 4/22/2000 Put on Production: 6/05/2000 GL: 5527' KB: 5537'

Wellbore Diagram

Initial Production: 82 BOPD, 201 MCFD, 3 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (30.71") DEPTH LANDED: 307.31' HOLE SIZE: 12-1/4"

CEMENT DATA: 141 sxs Class "G" cmt,

#### PRODUCTION CASING

CSG SIZE: 4-1/2' GRADE: J-55 WEIGHT: 11.6#

LENGTH: 136 jts. (5810.87°) DEPTH LANDED: 5808.47° HOLE SIZE: 7-7/8"

CEMENT DATA: 350 sk Prem. Lite II mixed & 500 sxs 50/50 POZ

CEMENT TOP AT: 217' per CBL

#### TUBING

SIZE/GRADE/WT.: 2-3/8" / J-55 / 4.7#

NO. OF JOINTS: 160 jts
TUBING ANCHOR: 5166'
SEATING NIPPLE: 2-3/8" (1.10')
TOTAL STRING LENGTH: EOT @ 5363'

SN LANDED AT: 5298'

# SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM

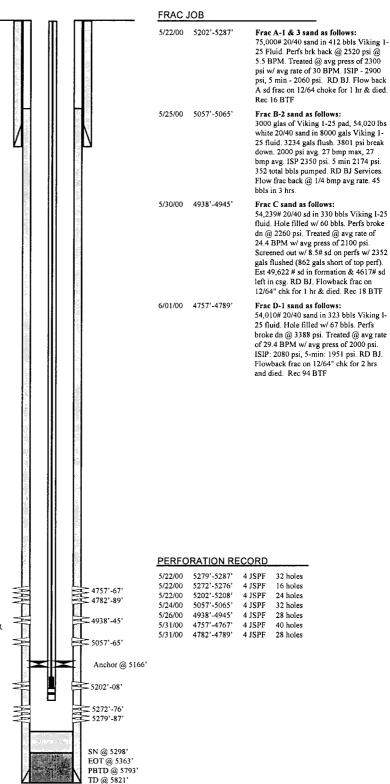
SUCKER RODS: 4-1-1/2" weight bars, 10 -3/4" scrapered rods, 107 - 3/4" plain rods, 89 - 3/4" scrapered rods, 1-8', 1-6', 1-6', 1-6', 1-2'-3/4" pony rods.

PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC

STROKE LENGTH: 74"

PUMP SPEED, SPM: 5

LOGS:Dual Lateralog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR





# Inland Resources Inc.

South Wells Draw State #15-2-9-16

778 FSL 1996 FEL

SWSE Section 2-T9S-R16E

Duchesne Co, Utah

API #43-013-31567; Lease #ML-21839

# Monument Butte State #16-2

Spud Date: 9/26/96 Put on Production: 10/28/96 GL: 5508' KB: 5521'

SURFACE CASING

LENGTH: 7 jts. (292.34')

HOLE SIZE: 12-1/4"

DEPTH LANDED: 291.24' GL

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT:24#

Wellbore Diagram

# 4549'-51' 4553'-55'

4746'-50'

4773'-81' 4854'-60'

> 5242'-45' 5247'-49' 5252'-54'

SN @ 5214' EOT @ 5341'

TD @ 5850'

Sand Top @ 5578' PBTD @ 5791' Initial Production: 55 BOPD, 80 MCFPD, 14 BWPD

#### FRAC JOB

10/18/96 5242'-5254'

Frac A-3 sand as follows:

73,000# of 20/40 sand in 446 bbls of Delta Frac fluid. Breakdown @ 4000 psi. Treated @ avg rate of 20 bpm w/avg press of 2350 psi. ISIP-2418 psi, 5-min 2358 psi. Flowback on 12/64" ck for 2-

1/2 hours and died.

10/21/96 4746'-4860'

10/23/96 4532'-4555'

Frac D-1 and D-3 zones as follows: 81,500# of 20/40 sand in 454 bbls of Delta Frac fluid. Breakdown @ 1710 psi. Treated @ avg rate of 27.5 bpm w/avg press of 2300 psi. ISIP-2951 psi, 5-min 2475 psi. Flowback on 12/64" ck for 4

hours and died.

Frac PB-10 zone as follows:

73,000# of 20/40 sand in 334 bbls of Delta Frac fluid. Well screened out w/3282 gal left in flush. Placed est 51,250# of sand into formation. Breakdown @ 2950 psi. Treated @ avg rate of 18.5 bpm w/avg press of 2100 psi. SISP-3650 psi, 5-min 1328 psi. Flowback on 12/64" ck, rec 42 bbls sand laden

# PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5#

LENGTH: 141 jts. (5849.89') DEPTH LANDED: 5847.89'

HOLE SIZE: 7-7/8'

CEMENT DATA: 480 sks Hibond mixed & 375 sks thixotropic

CEMENT DATA: 120 sxs Premium Plus cmt, est 3 bbls to surf.

CEMENT TOP AT: 496' per CBL

## TUBING

SIZE/GRADE/WT.: 2-7/8" / LS / 6.5#

NO. OF JOINTS: 186 jts TUBING ANCHOR: 5180'

TOTAL STRING LENGTH: ? (EOT @ 5341')

SN LANDED AT: 5214'

# SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM

SUCKER RODS: 8-1" scrapered, 100-3/4" plain rods, 99-3/4" scrapered

PUMP SIZE: 2-1/2" x 1-1/2" x 12 x 15 RHAC pump

STROKE LENGTH: 54"

PUMP SPEED, SPM: 7 SPM

LOGS:Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

# PERFORATION RECORD 10/17/96 5242'-5245' 4 JSPF 10/17/96 5247'-5249' 4 JSPF 10/17/96 5252'-5254' 4 JSPF 10/19/96 4746'-4750' 4 JSPF 10/19/96 4746'-4750' 4 JSPF 10/19/96 4773'-4781' 4 JSPF

8 holes 4 JSPF 16 holes 10/19/96 4773'-4781' 4 JSPF 32 holes 10/19/96 4854'-4860' 4 JSPF 24 holes 10/22/96 4532'-4536' 4 JSPF 16 holes 10/22/96 4549'-4551' 4 JSPF 8 holes 10/22/96 4553'-4555' 4 JSPF 8 holes

8 holes

# Inland Resources Inc. Monument Butte State #16-2

740 FSL 664 FEL

SESE Section 2-T9S-R16E

Duchesne Co, Utah

API #43-013-31510; Lease #ML-21839

# Jonah Fed. #4-12-9-16

Spud Date: 3/14/01 Put on Production: 6/10/01 GL: 5516' KB: 5526'

## Wellbore Diagram

IP:52.4 BOPD, 43.4 MCFD, 5.8 BWPD

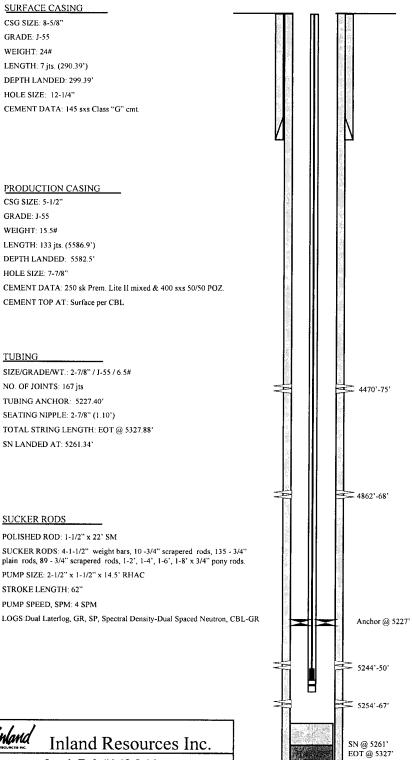
FRAC JOBS

6/6/01 5254'-67'

6/6/01 4862'-68'

6/6/01 4470'-75'

5244'-50'



Frac A3 sand as follows: 89,647# 20/40 sand in 600 bbls Viking I-25 fluid. Treated @ avg pressure of 1960 psi with avg rate of 29.7 BPM, ISIP 2395 psi. Frac D3 sand as follows: 29,647# 20/40 sand in 299 bbls Viking I-25 fluid. Treated @ avg pressure of 2400 psi with avg rate of 24.3 BPM, ISIP 1855 psi. Frac PB-10 sand as follows: Could not break, left un-fraced

#### PERFORATION RECORD

6/6/01 5254'-5267' 4 JSPF 52 holes 5244'-5250' 24 holes 24 holes 6/6/01 4 ISPF 4862'-4868' 6/6/01 4 JSPF 4 JSPF 4470'-4475'

PBTD @ 5582'



Jonah Fed. #4-12-9-16

660' FNL & 660' FWL

NW/NW Section 12-T9S-R16E

Duchesne Co, Utah

API #43-013-32180; Lease #U-096550



# A Division of BJ Services

P.O. Box 217 Roosevelt, Utah 84066



# WATER ANALYSIS REPORT

Source Jana 1-11-9-16	Date Sampled	4/2/01	_ Analysis No	
	Analysis	mg/l(ppm)	*Meg/l	
1. PH	9.0			1
2. H <sub>g</sub> S (Qualitative)	6.0			
3. Specific Gravity	1.015	15,833		
4. Dissolved Solids	, , , , , , , , , , , , , , , , , , ,	240,47, 144, 144	- B	co,
5. Alkalinity (CaCO <sub>3</sub> )	CO <sub>3</sub> .	1. 1. 1.464 TO A PROBLEM	÷ 61	HCO,
6. Bicarbonate (HCO <sub>3</sub> )	HCO,	in miles Outline stelltiligiaten ner	- 17: 0	OH
7. Hydroxyl (OH)	OH	7,800	+ 35.5219	CI
8. Chiorides (CI)	CI	375	+ 488	80,
9. Suffates (SO <sub>4</sub> )	SO,	16		Ca
10. Calcium (Ca)	Ca	2.45	_ + 20 0 _ + 12.2 0	Mg
11. Magnesium (Mg)	MG	60	_ '	
12. Total Hardness (CaCO,)		24		
13. Total Iron (Fe)		0.0	<b></b>	•
14. Manganese	t <sup>-</sup> - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		,	
15. Phosphate Residuals			· .	

		IINERAL COMPOS <u>Compound</u>	Equiv. Wt.	X Medy =	
Ca 🗲	нсо. 32	Ca(HCO <sub>3</sub> ) <sub>2</sub>	91.04 69.07		81
Q' Mo	SO: 10 10 10 10 10 10 10 10 10 10 10 10 10	CaCl <sub>3</sub> .Mg(HCO <sub>3</sub> ) <sub>2</sub>	65.60 73.17		
256 Na	CI 219	MgSO <sub>4</sub>	60.19		
Saturation Values	Distilled Water 20°C	MgCl <sub>3</sub> NaHCD <sub>3</sub>	47.62 84.00	31	2,604
CaCO <sub>3</sub>	13 Mg/ 2,000 Mg/	Na₁504	71.03	219	12,803
CaSO 2H <sub>2</sub> O	.103 Mg/l	NaCi	<b>68.48</b>		

Recieved Time Apr. 6. 1:16PM-

435 722 5727

ATTACHMENT F PAGE 2 of 2

# AQUAMIX SCALING PREDICTIONS

COMPANY:

INLAND PRODUCTION CO

4-3-2001

LOCATION: SYSTEM:

WATER COMPATIBILITY CALCULATIONS JOHNSON WATER AND JONAH 1-11-9-16 CONDITIONS: pH=8.2. TEMPERATURE ESTIMATED FROM COMPONENT WATERS.

# WATER ONE IS JOHNSON WATER

% Water 1	STIFF DAVIS CaCO3 INDEX	lbs/1000 BBL EXCESS CaCO3	mg/l Bas04 IN EXCESS OF SATURATION	mg/l SrO4 IN EXCESS OF SATURATION	mg/1 Gypaum IN EXCESS OF SATURATION
100 90 80 70 60 50 40 30 20	1.01 1.05 1.05 1.02 .98 .93 .86 .78 .70	33 32 30 27 25 22 20 17 15 12	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0

# Attachment "G"

# Jonah Federal #1-11-9-16 Proposed Maximum Injection Pressure

	nterval	A D4h	ICID	Calculated Frac		
Top	eet) Bottom	Avg. Depth (feet)	ISIP (psi)	Gradient (psi/ft)	Pmax	
4724	4756	4740	2390	0.94	2372	
4168	4244	4206	1865	0.88	1839	_ ←
				Minimum	1839	_

Calculation of Maximum Surface Injection Pressure

Pmax = (Frac Grad -(0.433\*1.005)) x Depth of Top Perf where pressure gradient for the fresh water is .433 psi/ft and specific gravity of the injected water is 1.005.

Frac Gradient = (ISIP +(0.433\*Avg. Depth))/Avg. Depth

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.



# ATTACHMENT G-1 PAGE 1082

Day: 02 🔿

# DAILY COMPLETION REPORT

WELL NAME: Jonah Federal 1-11-9-16 Report Date: 2/16/01

Ope	ration	: New C	Compl	etion	W-8-10-10-10-10-1			Rig:	Ross # 11	
					WELL S	TATUS				<del></del>
Surf Csg:	8 5/8	@ 305'	•		Prod Csg: 5		@ 5584	<b>!</b> '	Csg PBTD:	5548'
Tbg:	Size:	2 7/8	Wt:	6.5#	Grd: J-5		<u>T@:</u>	0	BP/Sand PBTD:	
					EDEODATIO	N DECORD				
Zone		Perfs		<u>5</u> 	PERFORATION Shots	Zon	•		<u>Perfs</u>	SPF/#shots
D1 sds		4724-4738'		4/56	<u> </u>	<u> </u>	<u>~</u>		<u> </u>	<u>Or (monoto</u>
D1 sds	_	4747-4756'		4/36		***************************************				
	-									
	<b></b>			<u> </u>	*					
	-			CHRO	ONOLOGICA	I OPERATION	ONS			
Date Work	( Perfo	rmed:	15-	<u>51.11.</u> Feb-01	DITOLOGIOA	L OI LIVAIN	<u> </u>	SITP:	SICP:	0
		-					0 170 1 0	-		
									47-56' W/ 4 JSPF	
									Perfs broke dn	
Treated @	ave p				f 30.1 BPM. I	SIP-2390 psi	. Leave pr	essure	on well. Est 685	BWTR.
		See d	ay 2(b	)						
					"					
O4 41 11	1 -1 13				UID RECOV			•		
Starting flu Fluid <u>lost/</u> re		to be recove	_	41 644		oil rec to da recovered to		0		
		recovered:		685		recovered:	uay	0		
IFL:		FFL:		TP:	Choke:		Final Fluid	Rate:	Final o	oil cut:
		STIMU	ILATIO	ON DETAIL					COSTS	
Base Fluid	used:	Viking I-2		Job Type:	: Sand 1	frac			Ross rig	\$1,495
Company:		3J Services		.,,,,,,					BOP	\$130
Procedure (	or Equi	pment detail:		İ	D1 sands		Schl	ımberg	erD1 sds	\$2,370
7000	gals c	of pad			····		<del></del>		esD1 sds	\$27,758
4000	gals V	V/ 1-5 ppg o	f 20/40	sand					-rac water	\$700
		V/ 5-8 ppg o			- Park Marine Marine Planet		***************************************		upervision	\$100
3122	gals V	V/ 8 ppg of 2	0/40 s	and			<del></del>			- Assurance
Flust	1 W/ 46	662 gals of s	lick w	ater						
							<u> </u>			
						·····				
		~~~			luid pmpd:					
					rop pmpd:					
	2390	5 min: _		-	15 r	min:	DA	ILY CC	ST:	\$32,553
Comple	tion S	upervisor: _	G	ary Dietz	<del></del>		TOT	AL WE	LL COST:	\$205,838

Day: 02 b



# **DAILY COMPLETION REPORT**

WELL NAME: Jonah Federal 1-11-9-16 Report Date: 2/16/01

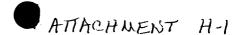
Ope	ration:	New Co	mpletion					Rig:	Ros	s # 11	
				<u>v</u>	ELL STAT	JS_					
Surf Csg:	8 5/8	@ 305'		Prod	d Csg: 5 1/2'	' 15.5#	@	5584'	Csg	PBTD:	5548'
Tbg:	Size:	2 7/8	Nt: 6.5#	Grd:	J-55	Pkr/ <u>EO</u>	<u>T</u> @:	0	BP/Sand	PBTD:	4550'
				PERF	ORATION R	FCORD					
Zone		Perfs	SP	F/#shots		Zon			<u>Perfs</u>		SPF/#shots
GB 4 sds	4	168-4174'	4/2				_		<del></del>		
GB 6 sds	42	232-4244'	4/4	18							
D1 sds		724-4738'	4/5							<del></del>	
D1 sds	47	47-4756'		36	-						
				IDUNUI	.OGICAL OI	DERATIO	ONS				
Date Work	Dorforn	and:	15-Feb-01	INOINOL	OUIOAL OI	1 14 17	0140	SITP:		SICP	2390
		and run 5 1		2 4" po	of auna Sat	nlug @	4550'				
RU SCHIL	imberger	and run 5 1  68-74' W/ 4	ISDE DII	a 4 pei	de cea. Bres	plug @ akda GB	4000 M nei	. Dieeu pre rfs @ 1000	nsi Estah	lich inie	ection rate o
2 3 RPM @	303 (2) 4 1 3 1800 n	si. Used 1 B	W RIH W/	MI & ne	un Csy. Drea arf GR6 sds	akun Gb ത 4232	-44'\	N/ 4 JSPF	RD WIT	R BJ T	TH W/ 5 1/2
4.5 Di W (	tha Tha	displaced 10	RW on TIH	Set nki	ന <b>0 0</b> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Rreakdn	GB6	nerfs @ 28	300 psi Est	ablish	injection rate
		) psi. Used 1									
		bls Viking I-									
		PM. ISIP-186									
		lied. Rec 163									
				FLUID	RECOVERY		_		0		
-		be recovere			Starting oil				0	_	
Fluid lost/r		-	262	<del></del>	Oil lost/reco		day:		0		
Ending flui IFL:		coverea: FL:	947 FTP:		Cum on reco		Final	Fluid Rate:	<u> </u>	– Final	oil cut:
II L.	F				TIONE.		ı ıııaı	Traid Nate.			
			ATION DET		0				COS.		<b>64 40</b> E
Base Fluid		Viking I-25 Services	Job Typ	oe:	Sand frac				Ross rig 3P/pkr renta		\$1,495 \$1,100
Company:				GB <sub>.</sub> s	ande		•		rger-GB sd	_	\$2,601
	• •	nent detail:		GDS	<u>anus</u>						\$16,767
	gals of		20/40				-	DJ Servic	cesGB sd		\$700
		1-5 ppg of 2		<del></del>			•	Euol gas	Frac wate		\$855
		5-8 ppg of 2					-		(+/- 90 mcf		
		8 ppg of 20							(3 X 2 days		\$240 \$200
Flus	n vv/ 407	4 gals of sli	ck water		Lancar and the state of the sta		-		head renta		
	<b></b>	<del></del>					-	1170	Supervision	1	\$100
		···					-			_	
May TD:	2120 M	lax Rate: 30	S RPM To	tal fluid n	mnd: 425	bbls					
		vg Rate: 30				000#	•			_	
=	1865	5 min:	<del></del>	in:			-	DAILY	OST:		\$24,058
		112	Gary Die						ELL COST	:	\$229,896
•	•		<del></del>		•						

# ATTACHMENT H

# WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1.	Plug #1	Set 182' plug from 4624'-4806' with 25 sx Class "G" cement.
2.	Plug #2	Set 226' plug from 4068'-4294' with 30 sx Class "G" cement.
3.	Plug #3	Set 200' plug from 2000'-2200' with 25 sx Class "G" cement.
4.	Plug #4	Set 100' plug from 255'-355' (50' on either side of casing shoe) with 15 sx Class "G" cement.
5.	Plug #5	Set 50' plug from surface with 10 sx Class "G" cement.
6.	Plug #6	Pump 10 sx Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement 305' to surface.

The approximate cost to plug and abandon this well is \$18,000.



# Jonah Federal #1-11-9-16

Spud Date: 9/18/00 Put on Production: 2/16/01 GL: 5573' KB: 5583'

#### SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (298.67') DEPTH LANDED: 305' HOLE SIZE: 12-1/4"

CEMENT DATA: 155 sxs Class "G" cmt

## PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5#

LENGTH: 132 jts. (5588.12') DEPTH LANDED: 5584' HOLE SIZE: 7-7/8"

CEMENT DATA: 275 sx Prem. Lite II mixed & 400 sx 50/50 POZ.

Proposed P & A Wellbore Diagram Initial Production: 187 BOPD, 208 MCFD, 14 BWPD

10 sx Class "G" cmt, 50' to surface

10 sx Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement 305' to surface

15 sx Class "G" cement, 255' to 355'

25 sx Class "G", 2000' to 2200'

30 sx Class "G" cmt, 4068'-4294'

**≒** 4724`-4738`

4747'-4756'

SN @ 4747' EOT @ 4813' TD @ 5633' 25 sx Class "G" cmt, 4624'-4806'

Inland

# Inland Resources Inc.

# Jonah Federal #1-11-9-16

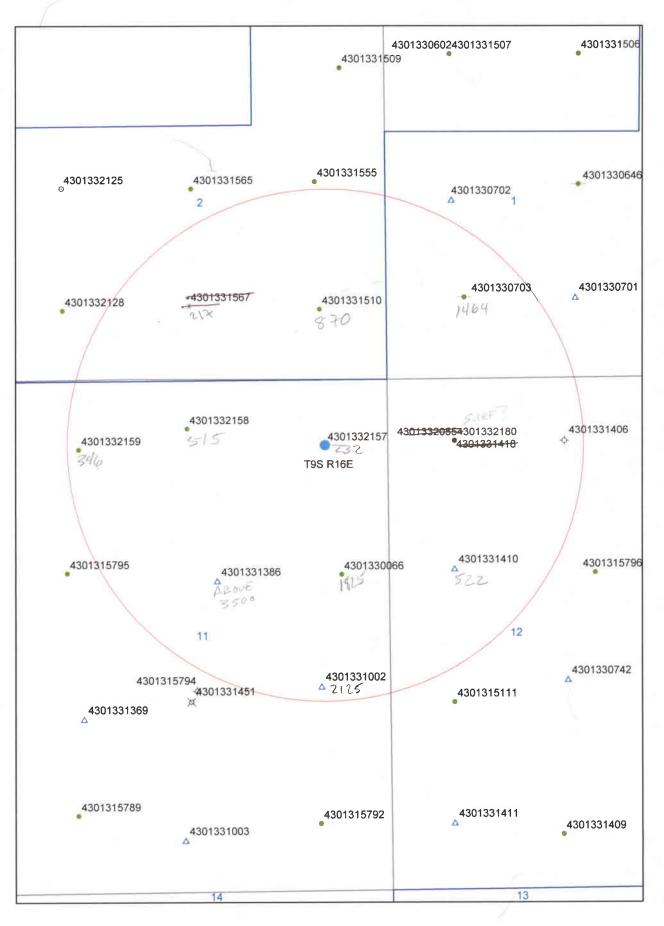
660 FNL, 660 FEL

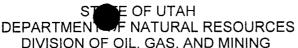
NE/NE Section 11-T9S-R16E

Duchesne Co, Utah

API #43-013-32157; Lease #UTU-096550

# Jenah Fed. 1-11-9-1





DIVISION OF OIL	., GAS, AND MINING				
SUNDRY NOTICES AND RE	PORTS ON WELLS	Lease Designation and Serial No.     UTU-096550			
	Do not use this form for proposals to drill or deepen or reentry to a different reservoir.  Use "APPLICATION FOR PERMIT -" for such proposals				
SUBMIT IN	TRIPLICATE	7. If unit or CA, Agreement Designation Jonah Unit			
X Oil Well Gas well Other		8. Well Name and No.			
2. Name of Operator INLAND PRODUCTION COMPANY		Jonah 1-11-9-16 9. API Well No.			
3. Address and Telephone No.		43-013-32157			
410 Seventeenth Street, Suite 700 Denve	er, CO 80202 (303) 893-0102	10. Field and Pool, or Exploratory Area			
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		Monument Butte			
		11. County or Parish, State			
NE/NE 660' fnl, 660' fel Se	ec. 11, T9S, R16E	Duchesne			
12 CHECK APPROPRIATE BOX(s) TO	INDICATE NATURE OF NOTICE, REPORT, O	R OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION				
Notice of Intent	Abandonment	Change of Plans			
	Recompletion	New Construction			
Subsequent Report	Plugging Back	Non-Routine Fracturing			
	Casing repair	Water Shut-off			
Final Abandonment Notice	Altering Casing	X Conversion to Injection			
	Other	Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			
<ol> <li>Describe Proposed or Completed Operations (Clearly state all pert drilled, give subsurface locations and measured and true ver</li> </ol>	nent details, and give pertinent dates, including estimated date of starting any partical depths for all markers and zones pertinent to this work)	proposed work. If well is directioally			
Please see attached injection appl	ication.				
		•			

Date 8/10/01 Regulatory Specialist Signed Joyce I. McGough (This space of Federal or State office use.) Approved by Conditions of approval, if any: Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

14. I hereby certify



August 6, 2001

Mr. Edwin I. Forsman Bureau of Land Management Vernal District Office, Division of Minerals 170 South 500 East Vernal, Utah 84078

RE:

Permit Application for Water Injection Well

Jonah Federal #1-11-9-16

Monument Butte Field, Jonah Unit, Lease #UTU-096550

Section 11-Township 9S-Range 16E

Duchesne County, Utah

Dear Mr. Forsman:

Inland Production Company, as operator of the above referenced well, has requested to convert the above well from a producer to an injector. Enclosed for your review is a copy of the application filed with the State of Utah. Also enclosed is a copy of the sundry notice of intent.

Should you have any questions, please contact me or George Rooney at 303/893-0102.

Sincerely,

Joyce McGough Regulatory Specialist

**Enclosures** 

FORM 3160-5

(June 1990)

# UND STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED

Budged Bureau No. 1004-0135

Expires March 31, 1993

SUNDRY NOTICES AND RE Do not use this form for proposals to drill o Use "APPLICATION FOR PE	<ul><li>5. Lease Designation and Serial No.</li></ul>	
OUDLIT IN		7. If unit or CA, Agreement Designation
	TRIPLICATE	lawata 11tr
Type of Well      Gas well  Other		Jonah Unit  8. Well Name and No.
2. Name of Operator		Jonah Fed 1-11-9-16
Inland Production Co.		9. API Well No.
3. Address and Telephone No.	(303) 893-0102	43-013-32157
410 Seventeenth Street, Suite 700 De	nver, CO 80202	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		Monument Butte
		11. County or Parish, State
660' fnl, 660' fel NE/NE Sec.	11, T9S, R16E	Duchesne, UT
12 CHECK APPROPRIATE BOX(s) TO	INDICATE NATURE OF NOTICE, REPORT	, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTIO	***************************************
X Notice of Intent	Abandonment	Change of Plans
	Recompletion	New Construction
Subsequent Report	Plugging Back	Non-Routine Fracturing
	Casing repair	Water Shut-off
Final Abandonment Notice	Altering Casing	Conversion to Injection
	Other	Dispose Water
		(Note: Report results of multiple completion on Well
	I inent details, and give pertinent dates, including estimated date of starting rtical depths for all markers and zones pertinent to this work).	Completion or Recompletion Report and Log form.) any proposed work. If well is directionally
Please see attached injection conve	rsion application.	
Signed Joyde I. McGough  (This space of Federal or State office use.)	Arme Regulatory Specialist	Date
Approved by  Conditions of approval, if any:	Title	Date
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to any matter within its jurisdiction.	to make to any department of the United States any false, fictitious or frau	dulent statements or representations as

# AFFIDAVIT OF PUBLICATION

County of Duchesne, STATE OF UTAH

I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for \_\_\_\_\_ consecutive issues, and that the first publication was on the \_\_\_\_\_ day of \_\_\_\_\_ day of \_\_\_\_\_ and that the last publication of such notice was in the issue of such newspaper dated the \_\_\_\_\_\_ day of \_\_\_\_\_\_.

Publisher

Subscribed and sworn to before me this.

12 day of september 2001

Notary Public



BONNIE PARRISH

NOTARY PUBLIC • STATE OF UTAH

471 N. HILLCREST DR. (415-5)

ROOSEVELT, UT 84066

COMM. EXP 3-31-2004

# NOTICE OF AGENCY ACTION

CAUSE NO. UIC 277
IN THE MATTER OF
THE APPLICATION OF
INLAND PRODUCTION
COMPANY FOR ADMINISTRATIVE APPROVAL OF THE
JONAH FEDERAL 1-119-16 WELLLOCATED IN
SEC. 11, T9 S, R 16 E; THE
MONUMENT BUTTE

STATE 1-2-9-16 WELL LOCATED IN SEC. 2, T9 S.R 16E; AND THE WEST POINT FEDERAL 9-31-8-16 WELLLOCATED IN SEC. 31, T 8 S. R 16 E, DUCHESNE COUNTY, UTAH, AS CLASS II IN-JECTION WELLS

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Jonah Federal 1-11-9-16 well, located in Section 11. Township 9 South, Range 16 east; the Monument Butte State 1-2-9-16 well, located in Section 2, Township 9 South, Range 16 East; and the West Point Federal 9-31-8-16 well, located in Section 31, Township 8 South, Range 16 East, Duchesne County, Utah, for conversion to Class II injection wells. These wells are located in the Jonah, Monument Butte and West Point Units respectively. The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selective zones in the Green River Formation will be used for water injection. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by Inland Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 28th day of August 2004 dumine mileriests.
STATE OF UTAH enter DIVISION OF OIL;
GAS & MINING
John R. Baza
Associate Director
Published in the Uintah
Basin Standard September

4, 2001.

143 SOUTH MAIN ST. P.O.BOX 45838 SALT LAKE CITY, UTAH 84145 FED.TAX I.D.# 87-0217663

# Spaper Agency Corporation The Stalt Lake Tribune (NA) DESERT NEWS PROOF OF PUBLICATION

CUSTOMER'S COPY

# CUSTOMER NAME AND ADDRESS ACCOUNT NUMBER DIV OF OIL-GAS & MINING 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114

ACCC	OUNT NAME		33333333333333333333333333333333333333	
j				
TELEPHONE	GAS & MINING INVOICE	N. C. V.		
801-538-5340		NOMBER		
	TL580	1AROI1		
START 09/03/0 CUST.	1 END 09/03/01 REF. NO.	***		
			BFFORE THE DRIVE	
CA	PTION	000000000000000000000000000000000000000	BEFORE THE DIVISION OF DEPARTMENT OF NAT STATE OF	OIL GAS AND MINING TURAL RESOURCES
			IN THE MATTER OF THE APPLICATION OF INLAND PRODUCTIONS COMPANY	
BEFORE THE DIV	ISION OF OIL, GA		APPROVAL OF THE JONAH	
	vat		COATED IN SEC. 11, 19 S, 10 E; THE MONUMENT OCATED TO SEC. 11, 19 S,	NOTICE OF AGENCY
63 LINES	2.00 COLUMN	Ř F	16 E, AND THE WEST POINT EDERAL 9-31-8-16 WELL	CAUSE NO. UIC 277
	RATE	R UW	IN THE MATTER OF THE APPLICATION OF INLAND PRODUCTIONS COMPANY FOR ADMINISTRATIVE APPROVAL OF THE JONAH APPROV	
MISC, CHARGES	1.16	AB	OVE ENTITIED AH TO ALL PERS	ONS INTERFEREN
	AD CHARO	GES	Notice is hereby given that	the Division of Oil Co-
.00	146.16	Inic of	and Production Company for consisted Jonah Federal 1-11-0-16	ommencing an informal der the application of idministrative approval
- <sup>8</sup>	TOTAL C	OST Ship 9-3	le State 1–2–9–16 well, locate 1–8–16 well, lo	6 East; the Monument ed in Section 2 Town-
	146.16	Sout vers cate	th, Range 16 East, Duchesne ( ion to Class II injection wells. d in the longh Methods	tion 31, Township 8 County, Utah, for con-
AFFIDAVT	T OF PUBLICATION	resp cord Proc	Notice is hereby given that identificative proceeding to consist of Production Company for che Jonah Federal 1-19-16 (1998). The Jonah Federal 1-19-16 (1998) of Jonah Federal 1-19-16 (1998) of Jonah Federal Well, located in Seath 1-8-16 well, located in Seath Range 16 East, Duchesne ion to Class II injection wells din the Jonah, Monument Butter circly. The proceeding will endures.	e and West Point Units be conducted in ac- 9-10, Administration
AS NEWSPAPER AGENCY CORRES	- Of TOBLICATIO	DN be u	Selective zones in the Green sed for water injection. The	River Formation will
AS NEWSPAPER AGENCY CORPORATION ADVERTISEMENT OF <u>BEFORE</u> THE	LEGAL BOOKKEEPER, DIVISION OF OII	I CERTIF	Selective zones in the Green sed for water injection. The ion pressure and rate will be ure gradient information su crition Company.	determined based on bemitted by Inland
		SHED BY I Profes	Any person desiring to object wise intervene in the proceeding of on the proceeding of on the proceeding of one of the proceeding of the p	to the application or
CORPORATION, AGENT FOR THE SALT PRINTED IN THE ENGLISH LANGUAGE IN SALT LAKE CITY, SALT LAKE COL	LAKE TRIBUNE AND	DESERET I will be	est or notice of intervention is	h the Division within this notice. If such received, a hearing
IN SALT LAKE CITY, SALT LAKE COL	NTY IN THE STATE	ULATION I tervene	e scheduled in accordance with strative procedural rules. Pre- ers should be prepared to a ghow this matter affects their i led this 28th day of August 200	the aforementioned testants and/or in- temonstrate at the
DIDT TAIL	100.10=	f	/ or August, 20	01.
	/03/01 END 0	9/03/01	STATE OF UTAH DIVISION OF OIL /s/John R. Baza	, GAS & MINING
SIGNATURE	/bicn/		Associate Directo 5801 AROI	r
DATE09/03/01				•
	( /			•

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT.

143 SOUTH MAIN ST. P.O.BOX 45838 SÂLT LAKÉ CITY, UTAH 84145 FED.TAX I.D.# 87-0217663

.00

# Newspaper Agency. Corporation Malt Lake Tribune (NA) DESERT NA DESCRIPTION

CUSTOMER'S COPY

BIDS

825-6630.

# PROOF OF PUBLICATION

CUSTOMER NAME AND	ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 841	114	D5385340L-07	09/03/01
ACCOL	NT NAME		
DIV OF OIL-O	GAS & MINING		
TELEPHONE	INVOICE	NUMBER	
801-538-5340	TL58	01AROI1	
SCHE	DULE		
START 09/03/01	END 09/03/01		
CUST.	REF. NO.		FORE THE DRUGGON OF SHAPE
			FORE THE DIVISION OF OIL GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH
	PTION  ISION OF OIL, GA	FOR AD FOR AD APPROV FFDFPA	MATTER OF THE ATION OF INLAND CTIONS COMPANY MINISTRATIVE AL OF THE JONAH L 1-11-9-16 WELL DIN SEC. 11,1 9 S, ACTION
VACANTANA AND AND AND AND AND AND AND AND AND	IZE .	BITTE	THE MONUMENT ACTION
63 LINES	2.00 COLUMN	R 16 E; FEDERAL LOCATE	D'IN SEC 2778 WELL CAUSE NO. UIC 277 AND THE WEST POINT 9-31-8-16 WELL D'IN SEC. 31, T B S, DUCHESNE COUNTY,
TIMES	RA	zing Com ympic an Pr Game I Divitatic	ALE M. DORIUS and inche Organia (no policy organia) and inches organia (no policy organia) and inches organia (no policy organia) and inches organia (no policy organ
MISC. CHARGES	1.1 AD CHA	D lat	David W. Huntsmo production: Purchasing Manage 9201 ARXH BOOT ARXH
			orever barred.

146.16 TOTAL COST

146.16

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF BEFORE THE DIVISION OF OIL, GA FOR DIV OF OIL-GAS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERTE NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

AFFIDAVIT OF PUBLICATION

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT.

# AFFIDAVIT OF PUBLICATION

County of Duchesne, STATEOFUTAH

I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for / consecutive issues, and that the first publication was on the 4 day of September, 200/, and that the last publication of such notice was in the issue of such newspaper dated the 4 day of September, 2001.

Publisher

Subscribed and sworn to before me this.

**Notary Public** 



Accepted by the Utah Division of Oil, Gas and Mining

# NOTICE OF AGENCY **ACTION**

CAUSE NO. UIC 277 IN THE MATTER OF THE APPLICATION OF INLAND PRODUCTION COMPANY FOR AD-MINISTRATIVE PROVAL OF JONAH FEDERAL 1-11-9-16 WELLLOCATED IN SEC. 11, T9S, R16E; THE MONUMENT BUTTH

S : 344 1-2-9-16 WILL LOCATED IN SEC. 2, T.9 S.R 16E; AND THE WEST POINT FEDERAL 9-31-8-16 WELLLOCATED IN SEC. 31, T 8 S, R 16 E. DUCHESNE COUNTY. UTAH, AS CLASS ILIN-JECTION WELLS

THE STATE OF UTAIL TO ALL PERSONS IN-TERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Jonah Federal 1-11-9-16 well, located in Section 11. Township 9 South. Range 16 east; the Monument Butte State 1-2-9-16 well, located in Section 2, Township 9 South, Range 16 East; and the West Point Federal 9-31-8-16 well, located in Section 31, Township 8 South, Range 16 East, Duchesne County, Utah, for conversion to Class II injection wells. These wells are located in the Jonah, Monument Butte and West Point Units respectively. The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selective zones in the Green River Formation will be used for water injection. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by Inland Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 28th day of their shares much 1002 UninguA STATE OF UTAH DIVISION OF OIL, GAS & MINING John R. Baza Associate Director

Published in the Uintah Basin Standard September 4, 2001.

# DIVISION OF OIL, GAS AND MINING UNDERGROUND INJECTION CONTROL PROGRAM

# PERMIT STATEMENT OF BASIS

Applicant: Inland Production Company Well: Jonah Fed. 1-11-9-16

**Location:** 11/9S/16E **API**: 43-013-32157

Ownership Issues: The proposed well is located on BLM land. The well is located in the Jonah Unit. Lands in the one-half mile radius of the well are administered by the BLM and the State of Utah. Inland and various other individuals hold the leases in the unit. Inland has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland is the operator of the Jonah Unit. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 299 feet and is cemented to surface. A 5 ½ inch production casing is set at 5584 feet and has a cement top at 232 feet. A 2 7/8 inch tubing with a packer will be set at 4135 feet. A mechanical integrity test will be run on the well prior to injection. There are 7 producing an 3 injection wells in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

Ground Water Protection: According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 1000 feet. Injection shall be limited to the interval between 3698 feet and 5071 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the 1-11-9-16 well is .88 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1839 psig. The requested maximum pressure is 1839 psig. The anticipated average injection pressure is 1500 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

MC-227.1

Jonah 1-11-9-16 page 2

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Jonah Unit on January 13, 1993 and revised on July 16,1993. Correlative rights issues were addressed at that time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that Administrative approval of this application be granted.

		olications concerning water resources in the general vicinity of this project have beer consideration during the permit review process.
Reviewer	r(s): Brad Hill	Date: <u>09/20/2001</u>



Michael O. Leavitt Governor Kathleen Clarke Executive Director Lowell P. Braxton Bivision Director 801-359-3940 (Fax) 801-538-7223 (TDD)

1594 West North Temple, Suite 1210 PO Box 145801 Salt Lake City, Utah 84114-5801 801-538-5340 801-359-3940 (Fax)

September 20, 2001

**Inland Production Company** 410 Seventeenth Street, Suite 700 Denver, Colorado 80202

Jonah Unit Well: Jonah Federal 1-11-9-16, Section 11, Township 9 South, Range 16 Re: East, Duchesne County, Utah

## Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

- Compliance with all applicable requirements for the operation, maintenance and 1. reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
- Conformance with all conditions and requirements of the complete application 2. submitted by Inland Production Company.
- A casing\tubing pressure test shall be conducted prior to commencing 3. injection.

If you have any questions regarding this approval or the necessary requirements, please contact Brad Hill or Dan Jarvis at this office.

Sincerely,

Associate Director

Dan Jackson, Environmental Protection Agency cc: Bureau of Land Management, Vernal Inland Production Company, Myton

SITLA, Salt Lake City

(OTHER)

STATE OF OTALL				
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	5. LEASE DESIGNATION AND SERIAL NO. U-096550			
SUNDRY NOTICES AND REPORTS C	6. IF INDIAN, ALLOTTEE OR TRIBAL N	AME		
(Do not use this form for proposals to drill or to deepen or plug back to a diffe Use "APPLICATION FOR PERMIT" for such proposals.)	N/A			
OIL GAS WELL OTHER X		7. UNIT AGREEMENT NAME  JONAH		
NAME OF OPERATOR		8. FARM OR LEASE NAME		
INLAND PRODUCTION COMPANY		JONAH FED 1-11		
Address of operator Rt. 3 Box 3630, Myton Utah 84052 435-646-3721		9. WELL NO.  JONAH FED 1-11		
LOCATION OF WELL (Report location clearly and in accordance with any State req See also space 17 below.)     At surface     NE/NE Section 11, T9S R16E	10. FIELD AND POOL, OR WILDCAT  MONUMENT BUTTE			
600 FNL 660 FEL		II. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE/NE Section 11, T9	9S R16E	
4 API NUMBER 43-013-32157  15. ELEVATIONS (Show whether DF, RT, GF 5523 GR	R, etc.)	12. COUNTY OR PARISH DUCHESNE	13. STATE UT	
6. Check Appropriate Box To Indicate Nature of Not	·			
NOTICE OF INTENTION TO:	SUBSEC	QUENT REPORT OF:		
TEST WATER SHOT-OFF PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL		
FRACTURE TREAT MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING		
SHOOT OR ACIDIZE ABANDON•	SHOOTING OR ACIDIZING	ABANDONMENT*		
REPAIR WELL	(OTHER)	X Injection Conversion		

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The subject well was converted from a producing oil well to an injection well on 3/21/03. The rods and tubing anchor were removed and a poacker was inserted in bottom hole assembly @ 4099'. On 3/26/03 Mr. Dennis Ingram with the State of Utah DOGM was contacted on the intent to conduct a MIT on the casing. Dennis Ingram with the State of Otan Doolvi was contacted on the line.

On 3/27/03, the casing was pressured to 1190 psig and charted for 1/2 hour test with no pressure loss. No RECEIVED governmental agencies were able to witness the test.

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

MAR 3 1 2003

DIV. OF OIL. GAS & MINING

18 I hereby certify that the foregoing is true and co	orrecy				
SIGNED // Wirle	103UNTITLE	Permit Clerk	DATE	3/28/2003	
Mandie Crozier					
				···	
cc: BLM					
(This space for Federal or State office use)					
APPROVED BY	TITLE		DATE		
CONDITIONS OF APPROVAL IF ANY:					

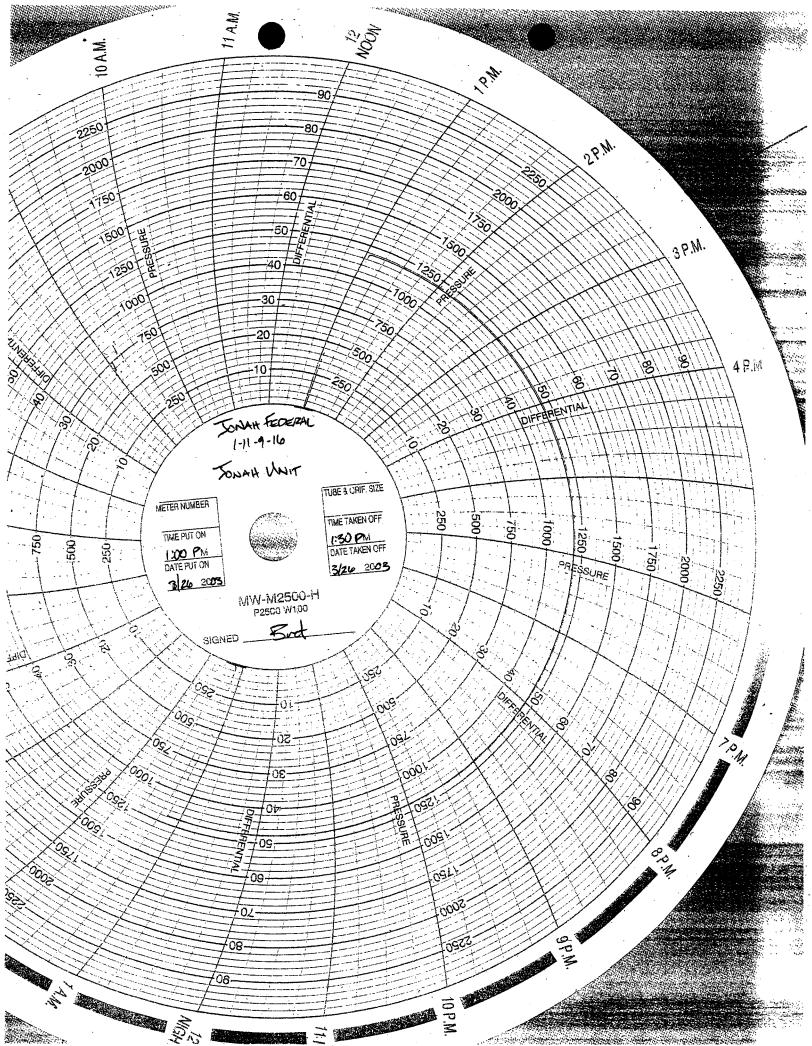
# Mechanical Integrity Test Casing or Annulus Pressure Test

# Inland Production Company Rt. 3 Box 3630 Myton, UT 84052 435-646-3721

Witness:	Date 3 / 26 / 03	Time <u>//00</u>	ampm
Test Conducted by: RET HENRIE Others Present:		· · · · · · · · · · · · · · · · · · ·	
Well: JUNAH FEDERAL 1-11-9-16	Field: Jonan	UNIT	
Well Location: NEINE Sec. 11, TES-RIBE	API No: 43-2	013-32157	

<u>Time</u> ∈	Casing Pressure	
0 min	1190	psig
5	1190	psig
10	1190	psig
15	1190	psig
20	195	psig
25	1195	psig
30 min	1195	psig
35		psig
40		psig
45	·	_ psig
50		_ psig 、
55		psig
60 min		psig
Tubing pressure:	480	psig
Result:	Pass	Fail

Signature of Witness:			
Signature of Person Conducting Test:	F5.41	cour.	





WELL NAME: Jonah Federal 1-11-9-16

Daily workover Report Report Date: 3/28/03

WELL NAME:	Jonah F	ederal 1-1	1-9-16	Repor	t Date:	3/28/03			Day: 03
Operation:	MIT					Rig:		N/A	
			WE	LL STAT	<u>JS</u>	-	<del></del>		,
Surf Csg: <u>8 5/8</u>	@ <u>305'</u>		Prod (	Csg: <u>5 1/2</u>	" 15.5# @	5584'	Csg	PBTD:	5548'
Tbg: Size:	2 7/8	Wt: 6.	5#Grd:	J-55	Pkr/ <u>EOT</u> @	4099'	BP/Sand		5421'
			PERFO	RATION R	ECORD				
<u>Zone</u>	<u>Perfs</u>		SPF/#shots		Zone		<u>Perfs</u>		SPF/#shot
	168-4174'	<del></del> .	4/24					_	
	232-4244'		4/48						
	724-4738' 747-4756'	,	4/56 4/36			-			
D13u3 4	141-41.50		4/30					-	
			CHRONOLO	GICAL O	PERATIONS	<del></del>			
Date Work Perforn	ned:	27-Mar-				SITP:	0	SICP:	0
Starting fluid load to			<u>so</u> s		rec to date:				
Fluid lost/recovered		84			vered today:			_	
Ending fluid to be re- IFL: F	coverea: FL:	234 FCP:		um oil reco oke:		I Fluid Rate:		– Final d	oil cut:
			· · · · · · · · · · · · · · · · · · ·				cosi		
PRODUCTIO	N TBG DETA	AIL.	ROD	DETAIL			IPC		\$10
KB 10.00'			N/A					-	
126 2 7/8" J-55 tb	g (4084.58'							_	
SN (1.10') @	4095.68'					<u> </u>		-	
								_	
Weath Pkr (7.	.321								
Weath Pkr (7.	.32')	-						<b>-</b>	
CE @ 4099'	.32')							<u>-</u>	
	.32')	· -						- -	
CE @ 4099'		 · -					,	- - -	
CE @ 4099'		 						·	
CE @ 4099'		  	-					· · · · · · · · · · · · · · · · · ·	
CE @ 4099'								- · · · · · · · · · · · · · · · · · · ·	
CE @ 4099'						DAILY C	OST:	-	\$100

#### Jonah Federal #1-11-9-16

Spud Date: 9/18/00 Put on Production: 2/16/01 GL: 5573' KB: 5583'

Initial Production: 187 BOPD, 208 MCFD, 14 BWPD

#### SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (298.67') DEPTH LANDED: 305' HOLE SIZE: 12-1/4"

CEMENT DATA: 155 sxs Class "G" cmt

#### PRODUCTION CASING

CSG\SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 132 jts. (5588.12') DEPTH LANDED: 5584' HOLE SIZE: 7-7/8"

CEMENT DATA: 275 sx Prem. Lite II mixed & 400 sx 50/50 POZ.

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 126 jts (4084.58') SEATING NIPPLE: 2-3/8" (1.10') SN LANDED AT: 4095.683 PACKER AT: 4099' TOTAL STRING LENGTH: EOT @ 4103\*

Injection Wellbore Diagram FRAC JOB 1/15/01 4724'-4756' Frac D1 sand as follows: 89,625# 20/40 sand in 644 bbls Viking I-25 fluid. Perfs broke back @ 3010 psi. Treated @ avg press of 1900 psi w/ avg rate of 30.1 BPM. ISIP - 2390 psi. Left pressure on well. 1/15/01 4168'-4244' Frac GB sand as follows: 48,000# 20/40 sand in 425 bbls Viking I-25 fluid. Perfs broke back @ 1850 psi @ 3.5 BPM. Treated @ avg press of 1870 psi w/avg rate of 30.3 BPM. ISIP 1865 psi. Started flowback immediately on 12/64" choke @ 1 BPM. Flowed 3-3/4 hrs & died. Rec. 163 BTF. 8/30/02 Pump change. Update tubing details. 3/21/03 Conversion to Injector. SN @ 4096' Packer @ 4099' EOT @ 4103' 4168'-4174' 4232'-4244' 4724'-4738' 4747'-4756' Top of Fill @ 5421' SHOE @ 5584' PBTD @ 5548'

#### PERFORATION RECORD

1/15/01 4724'-4738' 4 ISPF 56 holes 1/15/01 4747'-4756' 4 JSPF 1/15/01 4168'-4174' 4 JSPF 24 holes 1/15/01 4232'-4244' 4 JSPF 48 holes



#### Inland Resources Inc.

#### Jonah Federal #1-11-9-16

660 FNL & 660 FEL NE/NE Section 11-T9S-R16E

Duchesne Co, Utah API #43-013-32157; Lease #UTU-096550



Michael O. Leavitt
Governor

Robert L. Morgan
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210 PO Box 145801 Salt Lake City, Utah 84114-5801 (801) 538-5340 telephone (801) 359-3940 fax (801) 538-7223 TTY www.nr.utah.gov

#### UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-277

Operator:

Inland Production Company

Well:

Jonah Federal 1-11-9-16

Location:

Section 11, Township 9 South, Range 16 East

County:

Duchesne

API No.:

43-013-32157

Well Type:

Enhanced Recovery (waterflood)

#### Stipulations of Permit Approval

- 1. Approval for conversion to Injection Well issued on September 20, 2001.
- 2. Maximum Allowable Injection Pressure: 1839 psig
- 3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
- 4. Injection Interval: Green River Formation (3698' 5071')

Approved by:

John R. Baza

Associate Director

4/4/2003 Date

er

cc: Dan Jackson Environmental Protection Agency

Bureau of Land Management, Vernal Inland Production Company, Myton

SITLA, Salt Lake City



FORM 3160-5 (June 1990) ~

## BURE

TITED STATES	
ENT OF THE INTERIOR	
AU OF LAND MANAGEMENT	

FORM	APPROVED
FORM	APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993 5. Lease Designation and Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS	U-096550
Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  Use "APPLICATION FOR PERMIT -" for such proposals	6. If Indian, Allottee or Tribe Name  NA
. SUBMIT IN TRIPLICATE  1. Type of Well	7. If Unit or CA, Agreement Designation  JONAH
Oil Gas Well Well Other	8. Well Name and No.  JONAH FED 1-11  9. API Well No.
2. Name of Operator	43-013-32157
INLAND PRODUCTION COMPANY	10. Field and Pool, or Exploratory Area
3. Address and Telephone No.	MONUMENT BUTTE
Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721	11. County or Parish, State
4. Location of Well (Footage, Sec., T., R., m., or Survey Description)	
600 FNL 660 FEL NE/NE Section 11, T9S R16E	DUCHESNE COUNTY, UTA

TYPE OF SUBMISSION	TYPE OF A	ACTION
Notice of Intent	Abandonment	Change of Plans
<del></del>	Recompletion	New Construction
X Subsequent Report	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
Final Abandonment Notice	Altering Casing	Conversion to Injection
<del></del>	X Other Report of first injection	Dispose Water

The above referenced well was put on injection at 9:00 a.m. on 4/4/03.

RECEIVED

APR 0 7 2003

DIV OF OIL, GAS & MINIOR

14. I hereby certify that the foregoing is true and correct Signed Mandie Crozier	Title	Regulatory Specialist	Date	4/4/2003
CC: UTAH DOGM				
(This space for Federal or State office use)				e
Approved by	Title		Date	
Conditions of approval, if any:				

<sup>13.</sup> Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*



### **United States Department of the Interior**



# BUREAU OF LAND MANAGEMENT Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155 http://www.blm.gov

IN REPLY REFER TO: 3106 (UT-924)

September 16, 2004

Memorandum

To:

Vernal Field Office

From:

Acting Chief, Branch of Fluid Minerals

Subject:

Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Milas Llouters

Michael Coulthard Acting Chief, Branch of Fluid Minerals

#### Enclosure

1. State of Texas Certificate of Registration

cc:

MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225 State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114

Teresa Thompson Joe Incardine Connie Seare

Corporations Section P.O.Box 13697 Austin, Texas 78711-3697





#### Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company Filing Number: 41530400

**Articles of Amendment** 

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.





Secretary of State

# ARTICLES OF AMENDMENT TO THE ARTICLES OF INCORPORATION OF INLAND PRODUCTION COMPANY

In the Office of the Secretary of State of Texas

SEP 02 2004

Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

#### ARTICLE 1 - Name

The name of the corporation is Inland Production Company.

#### ARTICLE 2 - Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE - The name of the corporation is Newfield Production Company."

ARTICLE 3 - Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs, Treasurer

			· *		
UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
.*	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553·	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013 <sup>-</sup>	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833 <sup>,</sup>	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238	•	
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

3033824454

## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

UIC FORM 5

~~~	TRANSFER OF AU	THORITY TO	INJECT
Well Name and See Attach	d Number		API Number
Footage :  QQ, Section	n, Township, Range:	County ;	Floid or Unit Name See Attached List Lease Designation and Number
EFFECTIVE	DATE OF TRANSFER: 9/1/2004	Sale. STAN	
CURRENT O	PERATOR		
Company:	Inland Production Company	_ Name:	Brian Harris
Address:	1401 17th Street Suite 1000	_ Signature:	Bro Fran
	city Denver state Co zip 80202	_ Title:	Engineering Tech.
Phone:	(303) 893-0102	_ Date:	9/15/2004
Comments	:		
NEW OPERAT	TOR  Newfield Production Company	Name;	Brian Harris
Address:	1401 17th Street Suite 1000		Brown Ham
	city Denver state Co zip 80202	Signature: Title:	Engineering Tech.
Phone: Comments:		Date:	9/15/2004
his space for St		Approval D	require EPA approbal.
	,		RECEIVED

(5/2003)

RECEIVED SEP 2 0 2004



STATE OF UTAH

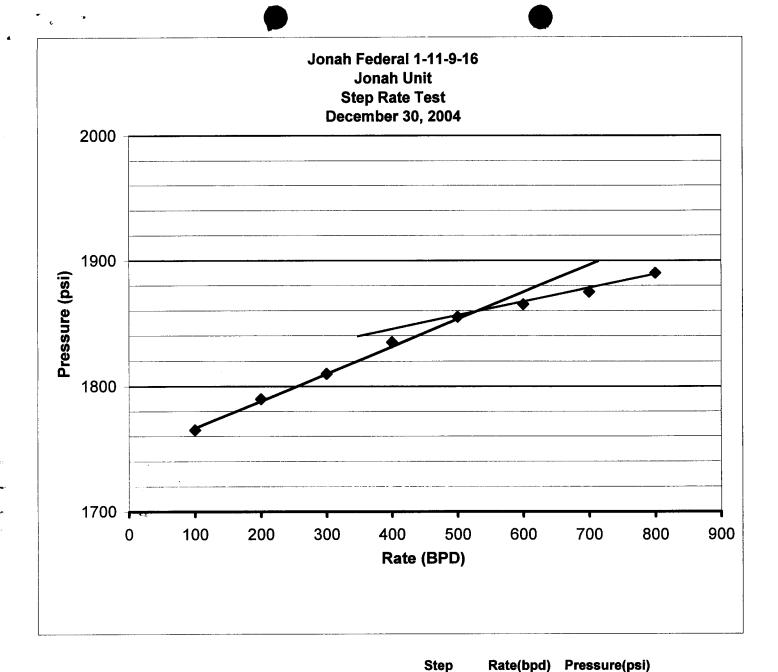
DEPARTMENT OF NATURAL RESOURCES DIV. OF OIL, GAS & MINUTATION AND SERIAL NUMBER:
DIVISION OF OIL, GAS AND MINING.

S. LEASE DESIGNATION AND SERIAL NUMBER:
DIVISION OF OIL, GAS AND MINING.

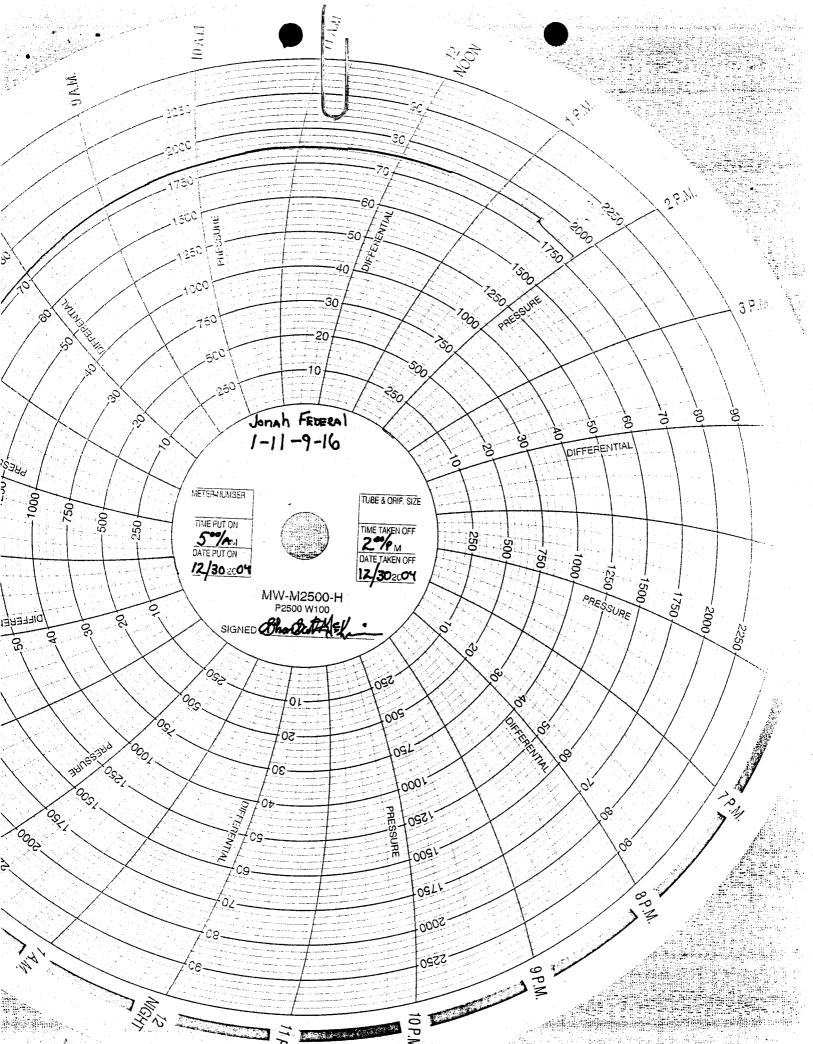
OF OIL, GAS & MINUTATION AND SERIAL NUMBER:

OF OIL OF OIL OF OIL OF THE NAME.

	SUNDRY	NOTICES AND REPO	ORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Эо по	ot use this form for proposals to drill n or to drill horizontal la	new wells, significantly deepen existing wells below aterals. Use APPLICATION FOR PERMIT TO DR	current bottom-hole depth, reenter plugged well RILL form for such proposals.	7. UNIT or CA AGREEMENT NAME: JONAH UNIT
l. TY	PE OF WELL: OIL WELL [	CACAMELL COTHER Inio	ction well	8. WELL NAME and NUMBER:
	OIL WELL [	GAS WELL OTHER Inje		JONAH FED 1-11
	ME OF OPERATOR:			9. API NUMBER: 4301332157
	rield Production Company DRESS OF OPERATOR:		PHONE NUMBER	10. FIELD AND POOL, OR WILDCAT:
		ry Myton STATE UT	ZIP 84052 435.646.3721	Monument Butte
	CATION OF WELL:			
FO	OTAGES AT SURFACE: 600 FNL	660 FEL		COUNTY: Duchesne
QΤ	R/QTR, SECTION, TOWNSHIP, RANGE,	MERIDIAN: NE/NE, 11, T9S, R16E		STATE: Utah
11.	CHECK APPROI	PRIATE BOXES TO INDICATE	E NATURE OF NOTICE, REP	ORT, OR OTHER DATA
			E OF ACTION	
T	YPE OF SUBMISSION		TYPE OF ACTION	
4	NOTICE OF BUTENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
K	NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
	Approximate date work will	CASING REPAIR	NEW CONSTRUCTION	TEMPORARITLY ABANDON
		CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
		CHANGE TUBING	PLUG AND ABANDON	VENT OR FLAIR
X	CURCEOUENT REPORT	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
N	SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTION (START/STOP)	WATER SHUT-OFF
	Date of Work Completion:	CHANGE WELL STATUS  COMMINGLE PRODUCING FORMATIONS	=	
	12/20/2004		RECLAMATION OF WELL SITE	X OTHER: - Step Rate Test
	12/30/2004	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	
12.	DESCRIBE PROPOSED OR CO	OMPLETED OPERATIONS. Clearly show a	ill pertinent details including dates, depths,	volumes, etc.
A st	ep rate test was conducted psi/ft. Therefore, Newfiel	Approved Utah Divis Oil, Gas and Date:	by the sion of	cate that the fracture gradient is be changed to 1860 psi.
NAM	E (PLEASE PRINT) Mike Guinn		TITLE_Engineer	
SIGN	ATURE RECEIPED	1 Juin	DATE January 12, 2005	



1750	psi	1	100	1765
1865	psi	2	200	1790
4168	feet	3	300	1810
1860	psi	4	400	1835
0.881	psi/ft	5	500	1855
	•	6	600	1865
		7	700	1875
		8	800	1890
	1865 4168 1860	1750 psi 1865 psi 4168 feet 1860 psi 0.881 psi/ft	1865 psi 2 4168 feet 3 1860 psi 4 0.881 psi/ft 5 6 7	1865 psi 2 200 4168 feet 3 300 1860 psi 4 400 0.881 psi/ft 5 500 6 600 7 700





#### **OPERATOR CHANGE WORKSHEET**

**ROUTING** 

1. GLH

2. CDW 3. FILE

Change of Operator (Well Sold)

The operator of the well(s) listed below has changed, effective:

Designation of Agent/Operator

9/1/2004

#### X Operator Name Change

Merger

FROM: (Old Operator):				<b>TO:</b> ( New O	perator):				7
N5160-Inland Production Company				N2695-Newfie	ld Production	on Compan	y		ŀ
Route 3 Box 3630				Route 3	Box 3630	_	-		
Myton, UT 84052				Myton,	UT 84052				ı
Phone: 1-(435) 646-3721				Phone: 1-(435)	646-3721				╛
CA	No.			Unit:		IONAH (C	REEN RI	VER)	
WELL(S)									
NAME	SEC	TWN	RNG	API NO	<b>ENTITY</b>	LEASE	WELL	WELL	
					NO	TYPE	TYPE	STATUS	
JONAH FED 1-11	11	090S	160E	4301332157	11492	Federal	WI	Α	
JONAH FED 2-11	11	090S	160E	4301332158	11492	Federal	ow	P	
JONAH FED 3-11	11	090S	160E	4301332159	11492	Federal	WI	Α	
JONAH 4-11-9-16	11	090S	160E	4301332279	11492	Federal	ow	P	
JONAH UNIT 4-12	12	090S	160E	4301332180	11492	Federal	ow	P	
JONAH FED 9-12-9-16	12	090S	160E	4301332430	11492	Federal	ow	P	K
JONAH FED 16-12-9-16	12	090S	160E	4301332431	11492	Federal	ow	P	ŀ
JONAH FED 15-12-9-16	12	090S	160E	4301332627		Federal	ow	APD	ŀ
JONAH UNIT 8-14-9-16	14	090S	160E	4301332054	11492	Federal	ow	P	
JONAH 5-14-9-16	14	090S	160E	4301332336	11492	Federal	ow	P	F
JONAH 6-14-9-16	14	090S	160E	4301332337	11492	Federal	ow	P	ŀ
JONAH 7-14-9-16	14	090S	160E	4301332338	11492	Federal	ow	P	
JONAH FED 9-14-9-16	14	090S	160E	4301332661		Federal	ow	APD	I
JONAH FED 10-14-9-16	14	090S	160E	4301332662		Federal	ow	APD	
JONAH 8-7	07	090S	170E	4301331989	11492	Federal	WI	A	

#### **OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

(R649-8-10) Sundry or legal documentation was received from the FORMER operator on: 9/15/2004 (R649-8-10) Sundry or legal documentation was received from the NEW operator on: 9/15/2004

The new company was checked on the Department of Commerce, Division of Corporations Database on: 2/23/2005

755627-0143 Is the new operator registered in the State of Utah: YES Business Number:

If NO, the operator was contacted contacted on:

Sections of LA PA state/fee well sites complete on: waived   Sections of LA PA state/fee wells itsed on Federal or Indian leases on: BLM   BIA	ba. (R649-9-2) waste Management Plan has been received on:	IN PLACE		
or operator change for all wells listed on Federal or Indian leases on:    BLM	b. Inspections of LA PA state/fee well sites complete on:	waived		
or operator change for all wells listed on Federal or Indian leases on:    BLM				
The BLM or BIA has approved the successor of unit operator for wells listed on:    Na			-	<del>-</del>
The BLM or BIA has approved the operator for all wells listed within a CA on:    na/		for wells listed on	: <u>n</u> /a	
Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:  2/23/2005  ATA ENTRY: Changes entered in the Oil and Gas Database on: 2/28/2005  Changes have been entered on the Monthly Operator Change Spread Sheet on: 2/28/2005  Bond information entered in RBDMS on: 2/28/2005  Fee/State wells attached to bond in RBDMS on: 2/28/2005  Injection Projects to new operator in RBDMS on: 2/28/2005  Receipt of Acceptance of Drilling Procedures for APD/New on: waived  EDERAL WELL(S) BOND VERIFICATION: Federal well(s) covered by Bond Number: UT 0056  NDIAN WELL(S) BOND VERIFICATION: Indian well(s) covered by Bond Number: 61BSBDH2912  EE & STATE WELL(S) BOND VERIFICATION: (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number 61BSBDH2919  The FORMER operator has requested a release of liability from their bond on: n/a  EASE INTEREST OWNER NOTIFICATION: (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:  n/a	9	• •	na/	
Changes entered in the Oil and Gas Database on:  Changes have been entered on the Monthly Operator Change Spread Sheet on:  2/28/2005  Bond information entered in RBDMS on:  2/28/2005  Fee/State wells attached to bond in RBDMS on:  2/28/2005  Injection Projects to new operator in RBDMS on:  2/28/2005  Receipt of Acceptance of Drilling Procedures for APD/New on:  waived  EDERAL WELL(S) BOND VERIFICATION: Federal well(s) covered by Bond Number:  UT 0056  NDIAN WELL(S) BOND VERIFICATION: Indian well(s) covered by Bond Number:  61BSBDH2912  EE & STATE WELL(S) BOND VERIFICATION: (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number  The FORMER operator has requested a release of liability from their bond on: 1/4  EASE INTEREST OWNER NOTIFICATION: (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/2005  1/28/200	· · · · · · · · · · · · · · · · · · ·			•
Bond information entered in RBDMS on:  Fee/State wells attached to bond in RBDMS on:  Injection Projects to new operator in RBDMS on:  Receipt of Acceptance of Drilling Procedures for APD/New on:  waived  EDERAL WELL(S) BOND VERIFICATION: Federal well(s) covered by Bond Number:  UT 0056  NDIAN WELL(S) BOND VERIFICATION: Indian well(s) covered by Bond Number:  61BSBDH2912  EE & STATE WELL(S) BOND VERIFICATION: (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number  61BSBDH2919  The FORMER operator has requested a release of liability from their bond on: The Division sent response by letter on:  EASE INTEREST OWNER NOTIFICATION: (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:  n/a		2/28/2005		
Fee/State wells attached to bond in RBDMS on:  Injection Projects to new operator in RBDMS on:  Receipt of Acceptance of Drilling Procedures for APD/New on:  waived  EDERAL WELL(S) BOND VERIFICATION: Federal well(s) covered by Bond Number:  UT 0056  NDIAN WELL(S) BOND VERIFICATION: Indian well(s) covered by Bond Number:  61BSBDH2912  EE & STATE WELL(S) BOND VERIFICATION: (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number  61BSBDH2919  The FORMER operator has requested a release of liability from their bond on: The Division sent response by letter on:  EASE INTEREST OWNER NOTIFICATION: (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:  n/a	Changes have been entered on the Monthly Operator Change	Spread Sheet on:	2/28/20	005
Injection Projects to new operator in RBDMS on:  Receipt of Acceptance of Drilling Procedures for APD/New on:  waived  EDERAL WELL(S) BOND VERIFICATION: Federal well(s) covered by Bond Number:  UT 0056  NDIAN WELL(S) BOND VERIFICATION: Indian well(s) covered by Bond Number:  61BSBDH2912  EE & STATE WELL(S) BOND VERIFICATION: (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number  61BSBDH2919  The FORMER operator has requested a release of liability from their bond on: The Division sent response by letter on:  N/a  EASE INTEREST OWNER NOTIFICATION: (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:  n/a	Bond information entered in RBDMS on:	2/28/2005		
Receipt of Acceptance of Drilling Procedures for APD/New on:  EDERAL WELL(S) BOND VERIFICATION: Federal well(s) covered by Bond Number:  UT 0056  NDIAN WELL(S) BOND VERIFICATION: Indian well(s) covered by Bond Number:  61BSBDH2912  EE & STATE WELL(S) BOND VERIFICATION: (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number  61BSBDH2919  The FORMER operator has requested a release of liability from their bond on: The Division sent response by letter on:  N/a  EASE INTEREST OWNER NOTIFICATION: (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:  N/a	Fee/State wells attached to bond in RBDMS on:	2/28/2005		
EDERAL WELL(S) BOND VERIFICATION: Federal well(s) covered by Bond Number:  UT 0056  NDIAN WELL(S) BOND VERIFICATION: Indian well(s) covered by Bond Number:  61BSBDH2912  EE & STATE WELL(S) BOND VERIFICATION: (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number  61BSBDH2919  The FORMER operator has requested a release of liability from their bond on: The Division sent response by letter on:  EASE INTEREST OWNER NOTIFICATION: (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:  n/a	Injection Projects to new operator in RBDMS on:	2/28/2005		
NDIAN WELL(S) BOND VERIFICATION: Indian well(s) covered by Bond Number:  EE & STATE WELL(S) BOND VERIFICATION: (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number  The FORMER operator has requested a release of liability from their bond on: The Division sent response by letter on:  EASE INTEREST OWNER NOTIFICATION: (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:	Receipt of Acceptance of Drilling Procedures for APD/New on:		waived	
Indian well(s) covered by Bond Number:  EE & STATE WELL(S) BOND VERIFICATION:  (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number  The FORMER operator has requested a release of liability from their bond on:  The Division sent response by letter on:  EASE INTEREST OWNER NOTIFICATION:  (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:    Na		UT 0056		
(R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number  61BSBDH2919  The FORMER operator has requested a release of liability from their bond on: n/a*  The Division sent response by letter on: n/a  EASE INTEREST OWNER NOTIFICATION:  (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a		61BSBDH2912		
The Division sent response by letter on:    n/a		by Bond Number	61BSBDF	12919
(R649-2-10) The <b>FORMER</b> operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:	•	_	n/a*	
OMMENTS:	(R649-2-10) The FORMER operator of the fee wells has been co		. <del>-</del>	n the Division
	OMMENTS:			
Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ny to Newfield Pro	duction Company	- received 2/23/05
		* * * * * * * * * * * * * * * * * * * *		

#### STATE OF LITAR

STATE OF UTAH			
DEPARTMENT OF NATURAL RESOURCE	5. LEASE DESIGNATION AND SERIAL NUMBER:		
DIVISION OF OIL, GAS AND MINING		USA UTU-096550	
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT of CA AGREEMENT NAME: JONAH UNIT	
1 TYPE OF WEIL		8. WELL NAME and NUMBER;	
OIL WELL GAS WELL OTHER		JONAH FED 1-11	
2. NAME OF OPERATOR:		9. API NUMBER:	
NEWFIELD PRODUCTION COMPANY		4301332157	
3. ADDRESS OF OPERATOR:	PHONE NUMBER	10. FIELD AND POOL, OR WILDCAT:	
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052	435.646.3721	MONUMENT BUTTE	
4. LOCATION OF WELL:  FOOTAGES AT SURFACE: 600 FNL 660 FEL  OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENE, 11, T9S, R16E		COUNTY: DUCHESNE  STATE: UT	
CHECK APPROPRIATE BOXES TO INDICATE NATUR	LE OF NOTICE, REPOR	RT, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION		
ACIDIZE DEEPE	Λ	REPERFORATE CURRENT FORMATION	
NOTICE OF INTENT (Submit in Duplicate)  ALTER CASING  FRACT	URE TREAT	SIDETRACK TO REPAIR WELL	
	ONSTRUCTION	TEMPORARITLY ABANDON	
Typiodinae date work with		=	
	TOR CHANGE	TUBING REPAIR	
	AND ABANDON	VENT OR FLAIR	
SUBSEQUENT REPORT CHANGE WELL NAME PLUGI	BACK	WATER DISPOSAL	
	CTION (START/STOP)	WATER SHUT-OFF	
Date of Work Completion: COMMINGLE PRODUCING FORMATIONS RECLA	MATION OF WELL SITE	OTHER: - Five Year MIT	
02/28/2007 CONVERT WELL TYPE RECOR	IPLETE - DIFFERENT FORMATION	<del>-</del>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent of		lumes, etc.	
On 02/19/08 Dennis Ingram with the State of Utah (DOGM was contacted concerning the 5 Year MIT on the above listed well. Permission was given at that time to perform the test on 02/21/08. On 02/21/08 the casing was pressured up to 1385 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tubing pressure was 1730 psig during the test. There was a State representative available to witness the test. (Dennis Ingram)  API# 43-013-32157			
NAME (PLEASE PRINT) Jentri Park	TITLE Production Clerk		
141/1 /2			
SIGNATURE /////	O2/28/2008		

his space for State use only)

RECEIVED FEB 2 9 2008

## Mechanical Integrity Test Casing or Annulus Pressure Test

#### Inland Production Company Rt. 3 Bex 3630 Myton, UT 84052

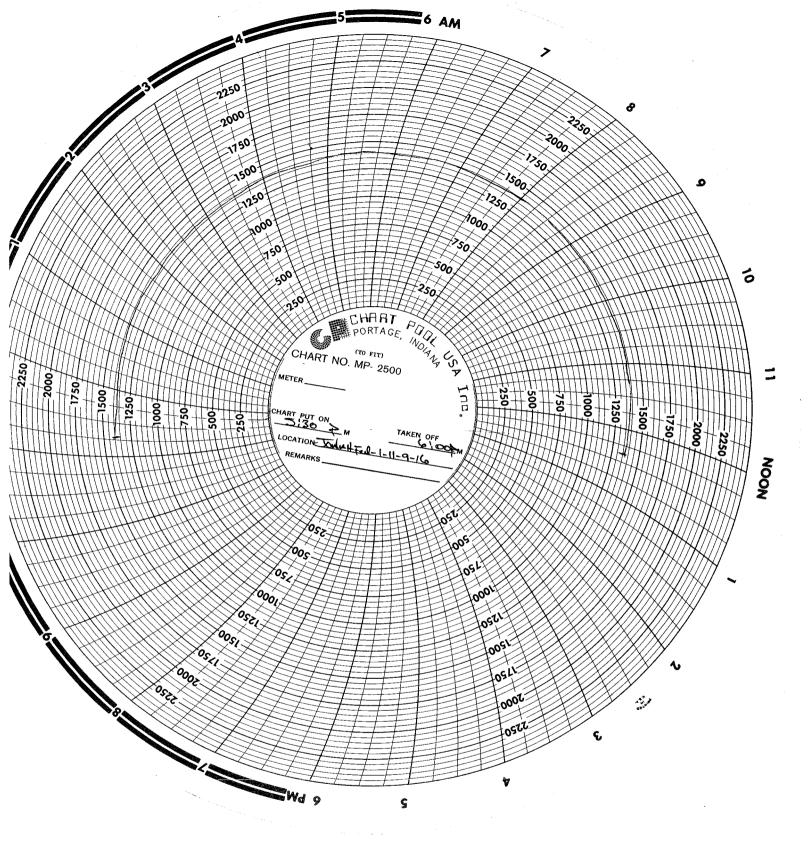
435-646-3721

Witness:	Date 2 / 21/08 Time 5/36	am pm
Others Present: NA		
Well: Janaffederal	Field: NewFiELd	
Well Location: JonaHFal 1-11-9-16 NE/NE Sec. 11, T95, RIGE	API No: 43-013-32157	

<u>Time</u>	<b>Casing Pressure</b>	
0 min	_1385	psig
5	1385	psig
10	1385	psig
15	_1385	- psig
20	_1385	- psig
25	1385	psig
30 min	138-5	- psig
35		psig
40		- psig
45		psig
50		o psig
55		psig
60 min		psig
oing pressure:	/730	psig
Result:	Pass I	-ail

Signature of Witness:	MA		
Signature of Per	son Conducti	ng Test:	(a)

**Tubing** 



Sundry Number: 40619 API Well Number: 43013321570000

	STATE OF UTAH		FORM 9
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-096550	
SUNDF	RY NOTICES AND REPORTS (	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	oposals to drill new wells, significantly d reenter plugged wells, or to drill horizon n for such proposals.		7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well			8. WELL NAME and NUMBER: JONAH FED 1-11
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	OMPANY		9. API NUMBER: 43013321570000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT		PHONE NUMBER: Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FNL 0660 FEL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 11 Township: 09.0S Range: 16.0E Meridi	an: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start:	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
7/30/2013	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:			
	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
DRILLING REPORT	L TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
	WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: 5 YR MIT
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  On 07/25/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 07/30/2013 the casing was pressured up to 1400 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1631 psig during the test. There was a State representative available to witness the test - Chris Jensen.  NAME (PLEASE PRINT)  PHONE NUMBER TITLE			
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	<b>PHONE NUMBE</b> 435 646-4874	R TITLE Water Services Technician	
SIGNATURE N/A		<b>DATE</b> 7/31/2013	

Sundry Number: 40619 API Well Number: 43013321570000

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company Rt. 3 Box 3630 Myton, UT 84052 435-646-3721

435-646-3721			(4)	
	OY: EVERETT UNRUH	Date 7 / 30/ 13	Time 9,00	<b>am</b> pı
Others Present:			•	
Wall. JONAH	FEDERAL 1-11-9-16	Field: Mo	NUMENT BUTTE	
	NENE SOCIL 795 RIBE Duchesne County, utah	API No: 43	3-013-33157	
(a) #	Time	Casing Pressure	i.	*:
	0 min	1400	_ psig	
	5	1400	_ psig	
	10	1400	psig	
e ·	15	1400	_ psig	
2	20	1400	_ psig	
	25	1400	_ psig	
	30 min	1400	psig	
	35	<u>.</u>	psig	
	40		psig	-35
	45		psig	6
	50		psig	
	55		psig	
	60 min		psig	
	Tubing pressure:	1631	psig	
	Result:	Pass	Fail	
Signature of	Witness:	eting Test: 90	we out three	

Sundry Number: 40619 API Well Number: 43013321570000 7 8 9 1000 6 Graphic Controls μο CHART NO. MC MP-2500 MIDNIGHT CHART PUT ON 7.30.13 9:00 #M TAKEN OFF 7.30.13 CA:45 A-M LOCATION JONAN FEDERAL 1-11-9-16 REMARKS NEWS SECTI TAS RIGE 5 YR MIT 000 750 0001 0001 Ç, 4 9 Wd 9

#### Jonah Federal #1-11-9-16

Spud Date: 9/18/00 Put on Production: 2/16/01

GL: 5573' KB: 5583'

Initial Production: 187 BOPD, 208 MCFD, 14 BWPD

#### SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (298.67') DEPTH LANDED: 305" HOLE SIZE: 12-1/4"

CEMENT DATA: 155 sxs Class "G" cmt

#### PRODUCTION CASING

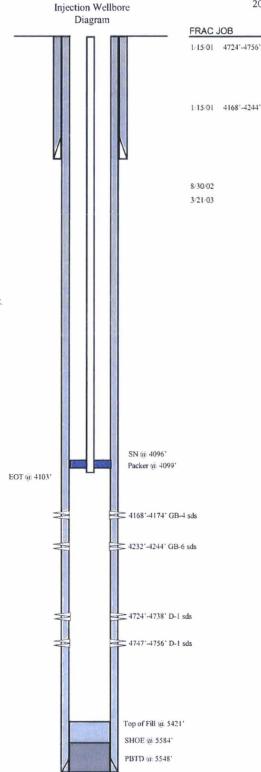
CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 132 jts. (5588.12') DEPTH LANDED: 5584'

HOLE SIZE: 7-7/8" CEMENT DATA: 275 sx Prem. Lite II mixed & 400 sx 50:50 POZ.

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 + 6.5# NO. OF JOINTS: 126 its (4084.58") SEATING NIPPLE: 2-3/8" (1.10') SN LANDED AT: 4095.68 PACKER AT: 4099

TOTAL STRING LENGTH: EOT a 4103'



TD at 5600'

Frac D1 sand as follows: 89,625# 20/40 sand in 644 bbls Viking I-25 fluid. Perfs broke back @ 3010 psi. Treated @ avg press of 1900 psi w avg rate of 30.1 BPM. ISIP - 2390 psi. Left

pressure on well.

Frac GB sand as follows: Frac GB sand as follows: 48,000# 20:40 sand in 425 bbls Viking I-25 fluid. Perfs broke back @ 1850 psi @ 3.5 BPM. Treated @ avg press of 1870 psi wavg rate of 30.3 BPM. ISIP 1865 psi. Started flowback immediately on 12/64" choke @ 1 BPM. Flowed 3-3/4 brs & died. Rec. 163 BTF.

Pump change. Update tubing details.

Conversion to Injector.

#### PERFORATION RECORD

1/15/01	4724'-4738'	4 JSPF	56 holes
1/15/01	4747`-4756`	4 JSPF	36 holes
1/15/01	4168'-4174'	4 JSPF	24 holes
1/15/01	4232'-4244'	4 JSPF	48 holes



660 FNL & 660 FEL NE/NE Section 11-T9S-R16E

Duchesne Co, Utah

API #43-013-32157; Lease #UTU-096550